ORDER NO. MKE0304604C1

B6, B22

Service Manual

TV/DVD/VCR Combination

PV-DF2003-K / PV-DF2703-K / PV-DM2793-K

PbF
Solder Lead free

SPECIFICATIONS

ITEM		SPECIFICATION	1	2	3
VCR	Video	Head: 4 rotary heads helical scanning system	○	○	○
		Input Level: VIDEO IN Jack (Phono type) 1.0 Vp-p 75 Ω unbalanced Output Level: VIDEO OUT Jack (Phono type) 1.0 Vp-p 75 Ω unbalanced Signal-to-Noise Ratio: SP: more than 43 dB LP/SLP: more than 41 dB Horizontal Resolution: Color/Monochrome: more: SP: 230 lines LP/SLP: 220 lines	○	○	○
	Audio	Head: Normal Mono: 1 stationary head Hi-Fi Stereo: 2 rotary heads	○ ○	○ ○	○ ○
		Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Output Level: AUDIO OUT Jack (Phono type) -8 dBv 1 kΩ unbalanced	○ ○	○ ○	○ ○
		Frequency Response: Normal Mono: SP: 100 Hz-8 kHz LP: 100 Hz-6 kHz SLP: 100 Hz-5 kHz Hi-Fi Stereo: SP/LP/SLP: 20 Hz-20 kHz	○	○	○
		Signal-to-Noise Ratio: Normal Mono: SP: more than 42 dB LP/SLP: more than 40 dB Hi-Fi Stereo: SP/LP/SLP: more than 60 dB	○	○	○
		Wow and Flutter: Normal Mono: SP: Less than 0.2 % WRMS LP: Less than 0.3 % WRMS SLP: Less than 0.4 % WRMS Hi-Fi Stereo: Less than 0.015 % WRMS	○	○	○
	Tuner	Broadcast Channels: VHF 2~13, UHF 14~69 CABLE Channels: Midband A through I (14~22) Superband J through W (23~36) Hyperband AA~EEE (37~64) Lowband A-5~A-1 (95~99) Special CABLE channel 5A (01) Ultraband 65~94, 100~125	○	○	○
	Tape Speed	SP: 1-5/16 i.p.s (33.35 mm/s), LP: 21/32 i.p.s (16.67 mm/s), SLP: 7/16 i.p.s (11.12 mm/s) Record/Playback Time: 8 hr. with 160 min. type tape used in SLP mode FF/REW Time: Less than 2-1/2 min. (120 min. type tape) *Note: FF/REW Time may be exceed specification according to tape condition.	○	○	○
	Tape Format	Tape width 12.7 mm (1/2 inch) high density tape	○	○	○
FM RADIO	Band Range	87.5 MHz-108.1 MHz	○	○	○

ITEM		SPECIFICATION	1	2	3
DVD	Discs Played	(1) DVD-VIDEO disc, DVD-AUDIO disk: 12 cm (5 inch) single-sided, single-layer 12 cm (5 inch) single-sided, double-layer 12 cm (5 inch) double-sided, double-layer (one layer per side) 8 cm (3 inch) single-sided, single-layer 8 cm (3 inch) single-sided, double-layer 8 cm (3 inch) double-sided, double-layer (one layer per side) DVD-RAM disk: 12 cm (5 inch) 9.4 GB (double sided) and 4.7 GB (single sided) 8 cm (3 inch) 2.8GB (single sided) (2) Compact disc(CD-DA, VIDEO CD, CD-R/RW, MP3, WMA, JPEG): 12 cm (5 inch) disc, 8 cm (3 inch) disc	○	○	○
	Digital Audio Output	Optical connector	○	○	○
	Pickup	Wave length: 655 nm (DVD), 790 nm (Video CD/CD) Laser power: CLASS II	○	○	○
DISPLAY	Picture Tube	20 inch measured diagonal pure flat Picture Tube 27 inch measured diagonal pure flat Picture Tube 27 inch measured diagonal 100° deflection Picture Tube	○ – –	– ○ –	– – ○
GENERAL		Source: 120 V AC±12 V AC, 60 Hz±3 Hz	○	○	○
	Power	Consumption: Approx. 128 W (Power on), Approx. 3.5 W (Power off) Approx. 174 W (Power on), Approx. 3.5 W (Power off) Approx. 170 W (Power on), Approx. 3.5 W (Power off)	○ – –	– ○ –	– – ○
	Television System	EIA Standard (525 lines, 60 fields) NTSC Color Signal	○	○	○
	Operating Condition	5 °C-35 °C (41 °F-95 °F) (Temperature) 10 %-75 % (Humidity)	○	○	○
	Dimension (W x H x D)	604 mm x 523 mm x 503 mm (23-3/4 inch x 20-5/8 inch x 19-3/4 inch) 760 mm x 651 mm x 503 mm (29-7/8 inch x 25-5/8 inch x 19-3/4 inch) 772 mm x 654 mm x 533 mm (30-3/8 inch x 25-3/4 inch x 21 inch)	○ – –	– ○ –	– – ○
	Weight	30.0 kg (66.1 lbs.) 52.0 kg (114.4 lbs.) 42.0 kg (92.5 lbs.)	○ – –	– ○ –	– – ○
	Solder	This model uses lead free solder (PbF).	○	○	○

1. PV-DF2003-K
2. PV-DF2703-K
3. PV-DM2793-K

Weight and dimensions shown are approximate.
Designs and specifications are subject to change without notice.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

1. SAFETY PRECAUTIONS

1.1. GENERAL GUIDELINES

1. IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Layout, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the

original design without permission of manufacturer.

2. **An Isolation Transformer should always be used during the servicing of Combination DVD VCR whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect Combination DVD VCR from being damaged by accidental shorting that may occur during servicing.**
3. **When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.**
4. **After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shield, and isolation R-C combinations are properly installed.**
5. **Before turning the receiver on, measure the resistance between B+ line and chassis ground. Connect (-) side of an ohmmeter to the B + lines, and (+) side to chassis ground. Each line should have more resistance than specified, as follows :**

B+ Line
Minimum Resistance

130 V
110 Ω (Cold chassis ground)

28 V
180 Ω (Cold chassis ground)

220 V
1 k Ω (Cold chassis ground)

6. **When the TV set is not used for a long period of time, unplug the power cord from the AC outlet.**
7. **Potentials, as high as 30.0 kV (For model with 20 inch CRT), 32.0 kV (For model with Round 27 inch CRT), 33.0 kV (For model with Flat 27 inch CRT) are present when this TV set is in operation. Operation of the TV set without the rear cover involves the danger of a shock hazard from the TV set power supply. Servicing should**

not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the CRT ground of receiver before handling the tube.

8. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.2. LEAKAGE CURRENT COLD CHECK

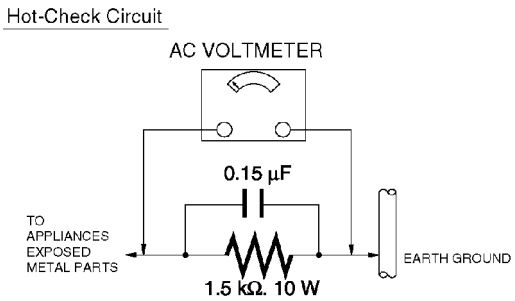
1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. For physically operated power switches, turn power on. Otherwise skip step 2.
3. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screwheads, connectors, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1 M Ω and 12 M Ω . When the exposed metal does not have a return path to the chassis, the reading must be infinity.

1.3. LEAKAGE CURRENT HOT CHECK

1. Plug the AC cord directly into the AC outlet.
   Do not use a isolation transformer for this check.
2. Connect a 1.5 k Ω , 10 W resistor, in parallel with a 0.15 μ F capacitor, between each exposed metallic part on the set and a good earth ground, as shown in Figure 1.
3. Use an AC voltmeter, with 1 k Ω /V or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 V RMS.
   A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks. Leakage current must not exceed 1/2 mA. In case a measurement is outside of the limits specified, there

is a possibility of shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

Figure 1



2. X-RADIATION

WARNING :

1. **The potential source of X-Radiation in TV sets is the High Voltage section and the picture tube.**
2. **When using a picture tube test fixture for service, ensure that the fixture is capable of handling 30.0 kV (For model with 20 inch CRT), 32.0 kV (For model with Round 27 inch CRT), 33.0 kV (For model with Flat 27 inch CRT) without causing X-Radiation.**

NOTE:

It is important to use an accurate periodically calibrated high voltage meter.

1. **Reduce the brightness to minimum.**
2. **Set the SERVICE switch to SERVICE .**
3. **Measure the High Voltage. The meter reading should indicate 28.0 kV±1.5 kV (For model with 20 inch CRT), 30.0 kV±2.0 kV (For model with Round 27 inch CRT), 31.0 kV±2.0 kV (For model with Flat 27 inch CRT).**
   If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
4. **To prevent an X-Radiation possibly, it is essential to use the specified picture tube.**

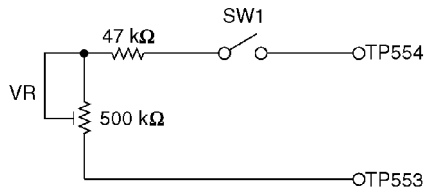
2.1. HORIZONTAL OSCILLATOR DISABLE CIRCUIT TEST

SERVICE WARNING :

The test must be made as a final check before set is returned to the customer.
CONFIRMATION OF X-RAY MOVEMENT

1. **Turn off TV set.**
2. **Connect the circuit below between TP553 and TP554 on the TV Main C.B.A.**

Figure 2



3. **Turn on SW1 and then turn on the set. Confirm that the picture is on the screen properly.**
4. **Confirm that the picture goes out of horizontal sync while getting down by varying VR.**
5. **If this does not occur, it means that X-ray protect circuit is not operating. Further confirmation and repair is required.**

2.2. REPAIR PROCEDURES OF HORIZONTAL OSCILLATOR DISABLE CIRCUIT

1. **Connect a DC voltmeter between capacitor C513 (+) on the Main circuit board and chassis ground.**
2. **If approximately +18.5 V (For model with Round 20 inch CRT), + 21.5 V (For model with Flat 20 inch CRT), +22.0 V (For model with Round 27 inch CRT), +23.0 V (For model with Flat 27 inch CRT) is not present at that point when 120 V AC is applied, find the cause. Check R508, R503, R5504, R5505, D503, C513, C5507 and J5501.**
3. **Carefully check above specified parts and related circuits and parts. When the circuit is repaired, try the horizontal oscillator disable circuit test again.**

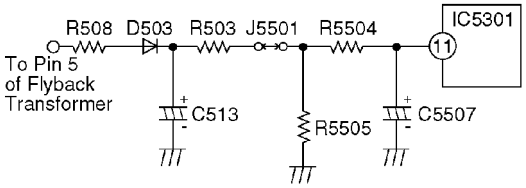
2.3. CIRCUIT EXPLANATION

2.3.1. HORIZONTAL OSCILLATOR DISABLE CIRCUIT

The positive DC voltage, supplied from the D503 cathode for monitoring high voltage, is applied to the IC5301 Pin11 through R508, R503 and R5504. Under normal conditions, the voltage at IC5301 Pin 11 is less than approx. 6 V. If the high voltage at Flyback Transformer Pin 5 exceeds the specified voltage, the positive DC voltage which is supplied from the D503 cathode also increases. The increased voltage is applied to IC5301 Pin11 through R508, R503 and R5504. Due

to the increased voltage at IC5301 Pin11, the horizontal oscillator frequency increases, the picture goes out of horizontal sync, the beam current decreases and the picture become dark in order to keep X-radiation under specification.

Figure 3



2.4. LASER PRODUCT

CLASS I LASER PRODUCT

- This equipment is certified to comply with DHHS Rules 21 CFR Chapter 1, Subchapter J in effect as of date of manufacture. (Only for U.S.A.)

This equipment is classified as a Class I (Class 1) level LASER Product and there is no hazardous LASER radiation with the safety protection.

Caution:

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Never touch the internal parts in order to avoid EXPOSURE TO VISIBLE LASER RADIATION.
Unplug the AC power cord to the equipment when opening the top cover.
When the power switch is On, do not place your eyes close to the front panel opening door or the other openings to look into the interior unit.
LASER Specification
Class I level A LASER Product (Class 1 level A LASER Product)

Wave Length:

647 - 677 nm (at DVD)
775 - 815 nm (at CD)

Laser Power:

No hazardous radiation is emitted with the safety protection.

2.5. PRECAUTION OF LASER DIODE

CAUTION:

This unit utilizes a class III a laser. Visible laser radiation is emitted from the optical pickup lens when the unit is turned on:

1. Do not look directly into the pickup lens.

2. Do not use optical instruments to look at the pickup lens.

3. Do not adjust the preset variable resistor on the optical pickup.

4. **Do not disassemble the optical pickup unit.**
5. **If the optical pickup is replaced, use the manufactures specified replacement pickup only.**
6. **Use of control or adjustment or performance of procedures other than those specified herein may result in hazardous radiation exposure.**

3. PREVENTION OF ELECTROSTATIC DISCHARGE (ESD) TO ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors are semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. **Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.**
2. **After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.**
3. **Use only a grounded-tip soldering iron to solder or unsolder ES devices.**
4. **Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.**
5. **Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.**
6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically**

shorted together by conductive foam, aluminum foil or comparable conductive material).

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   CAUTION:

   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

"NOTE to CATV system installer :

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."

4. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp or printing on the PCB.
(Please refer to figures.)

Printed case

Stamped case

CAUTION:

- Pb free solder has a higher melting point than standard solder;
  Typically the melting point is 50 °F - 70 °F (30 °C - 40 °C) higher.
  Please use a soldering iron with temperature control and adjust it to 700 °F±20 °F (370 °C± 10 °C).
  In case of using high temperature soldering iron, please be carefull not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100 °F/600 °C).
- All products with the printed circuit board with PbF stamp or printing must be serviced with lead free solder.
  When soldering or unsoldering, completely remove all of the solder from the pins or solder area,
  and be sure to heat the soldering points with the lead free solder until it melts sufficiently.

Recommendations

Recommended lead free solder composition is Sn96.5 Ag3.0 Cu0.5.

5. SERVICE NOTES (PLEASE READ)

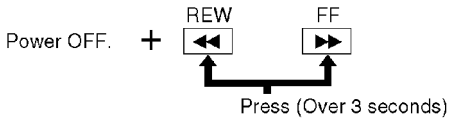
5.1. SERVICE NOTES

5.1.1. SIMPLIFIED FAULT FINDING DATA

Simplified Self-Diagnostic System facilitates finding the cause of the fault. A 4 digit fault code and communication for I2C bus code will be displayed on TV screen.
The Simplified Fault finding data is stored in the Memory IC (IC6004). This data is cleared after it is displayed, and then the POWER button is pressed back on.

1. With power turned off, press FF and REW buttons on unit together for over 3 seconds.

Fig. 1-1



2. TV power comes on and the unit goes into service mode. 4 digit for fault code and communication for I2C bus code will be displayed.

Fig. 1-2

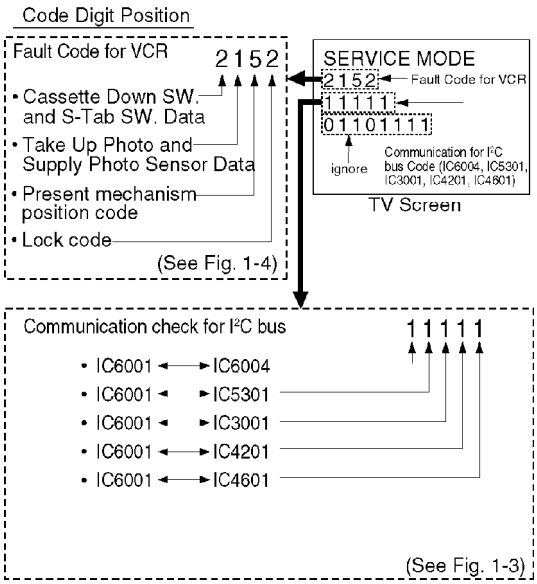


Fig. 1-3

(Communication check for I²C bus)

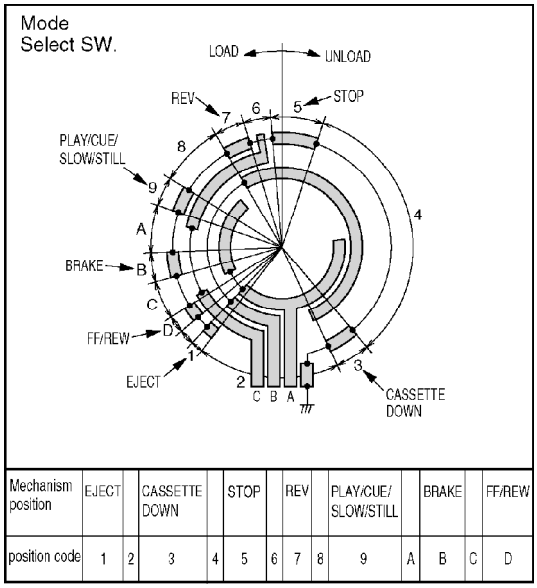
Explanation of Codes	Code No.				
Communication check for I²C bus (IC6001◄►IC6004) ----- **NG**	0				
OK	1				
Communication check for I²C bus (IC6001◄►IC5301) ----- **NG**		0			
OK		1			
Communication check for I²C bus (IC6001◄►IC3001) ----- **NG**			0		
OK			1		
Communication check for I²C bus (IC6001◄►IC4201) ----- **NG**				0	
OK				1	
Communication check for I²C bus (IC6001◄►IC4601) ----- **NG**					0
OK					1

Fig. 1-4

(Fault Code for VCR)

Explanation of Codes	Code No.			
S-Tab SW. Data				
• S-Tab SW. is off.	1			
• S-Tab SW. is on.	2			
Take Up and Supply Photo Sensor Data				
• No light detected at either sensor.		1		
• Take Up Photo Sensor detected at beginning of tape.		2		
• Supply Photo Sensor detected at end of tape.		3		
• Light detected at both sensors.		4		
Present Mechanism Position Code				
Mechanism Position is indicated. (Refer to Fig. 1-5.)			1 2 3 4 5 6 7 8 9 A B C D	
Lock Code (See Note)				
• VCR is not in shut-off condition.				0
• Reel lock.				1
• Cylinder lock.				2
• Exceeds loading/unloading time. (Mechanism Lock)				3
• Exceeds Cassette loading/unloading time. (Cassette Lock)				
Tape Unloading (direction)			1	4
Tape Loading (direction)			2	4

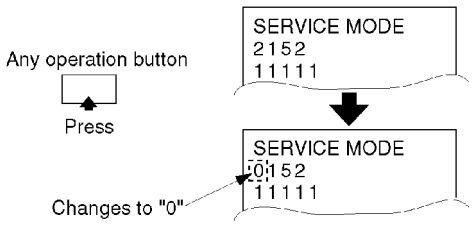
Fig. 1-5



Mechanism position	EJECT		CASSETTE DOWN		STOP		REV		PLAY/CUE/ SLOW/STILL		BRAKE		FF/REW
position code	1	2	3	4	5	6	7	8	9	A	B	C	D

3. Press any operation button except for POWER or PLAY (DVD) on either the unit, or the remote to detect that a key has been pressed. The 1st digit changes to "0" only when key is detected.

Fig. 1-6



Note:

When 1 to 4 listed in Lock code occurs, the VCR stops and all VCR function buttons except for power become non-operational.

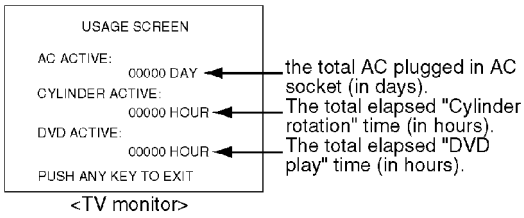
5.1.2. USAGE SCREEN MODE

This function is displayed on the TV monitor:

- the total AC plugged in AC socket (in days)
- the total elapsed "Cylinder rotation" time (in hours)
- the total elapsed "DVD play" time (in hours).

1. With power turned and no cassette, press STOP/EJECT button on VCR and 7 key on remote together.
The USAGE SCREEN will be displayed on the TV Monitor.

Fig. 2


USAGE SCREEN
AC ACTIVE:
00000 DAY
CYLINDER ACTIVE:
00000 HOUR
DVD ACTIVE:
00000 HOUR
PUSH ANY KEY TO EXIT
the total AC plugged in AC socket (in days).
The total elapsed "Cylinder rotation" time (in hours).
The total elapsed "DVD play" time (in hours).
<TV monitor>

Note:

1. **After replacing the Cylinder Unit, press COUNTER RESET button on remote in this mode. Only Total elapsed "Cylinder rotation" time (in days) will be cleared to 0.**
2. **After replacing the DVD Unit, press ADD/DLT button on remote in this mode. Only Total elapsed time "DVD Play" time (in hours) will be cleared to 0.**
3. **To release from Usage Screen Mode, press any operation button on VCR or insert a cassette tape in this mode. VCR will return to normal operation mode.**

5.1.3. GROUNDING FOR ELECTROSTATIC BREAKDOWN

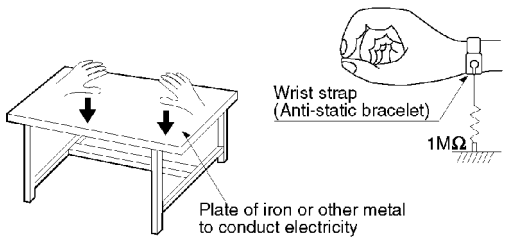
Prevention

1. **Human body grounding**
   Use the antistatic wrist strap to discharge the static electricity from your body.
2. **Work table grounding**
   Put a conductive material (sheet) or steel sheet on the area where the optical pickup is placed and ground the sheet.

Caution:

The static electricity of your clothes will not be grounded through the wrist strap. So take care not to let your clothes touch the optical pickup.

Fig. 3

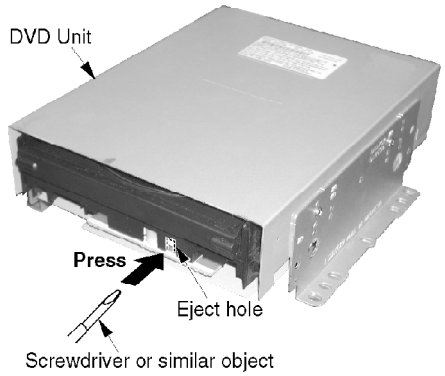


5.1.4. METHOD FOR EJECTING THE DVD TRAY MANUALLY

1. Insert a Screwdriver or similar object into the Eject hole.

2. Press it gently, and then pull the Tray fully out.

Fig. 4



5.1.5. SERVICE POSITION

5.1.5.1. Service Position

Service Position	Purpose
Service Position (1)	Mechanism check Mechanical adjustment Electrical adjustment Power Supply C.B.A. check
Service Position (2)	Main C.B.A. check TV Main C.B.A. check
Service Position (3)	DVD Main C.B.A. check

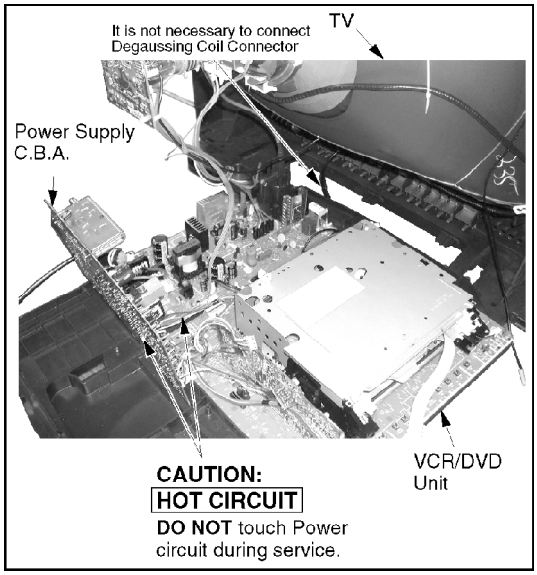
CAUTION:

HOT CIRCUIT (Primary circuit) exists on the Power Supply C.B.A. and the TV Main C.B.A.

Use extreme care to prevent accidental shock when servicing.

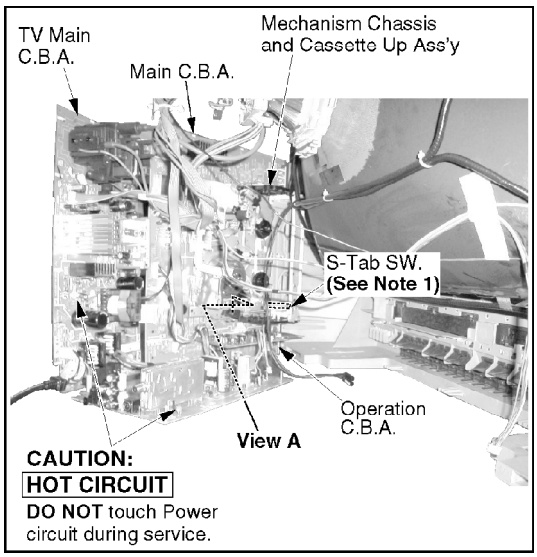
5.1.5.1.1. Service Position (1)

Fig. 6-1



5.1.5.1.2. Service Position (2)

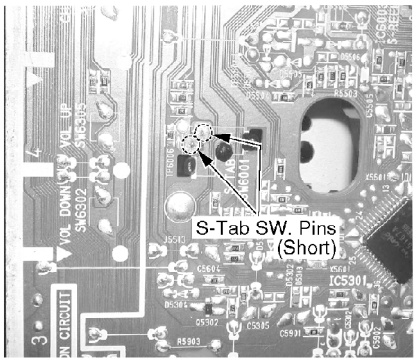
Fig. 6-2-1



Note:

1. It is possible that the S-Tab SW. may not work correctly in Service Position (2). (Recording can not be done). In this case, short the S-Tab SW. Pins on the foil side of the Main C.B.A. to turn this SW. on.

Fig. 6-2-2



Main C.B.A. (foil side)

View A

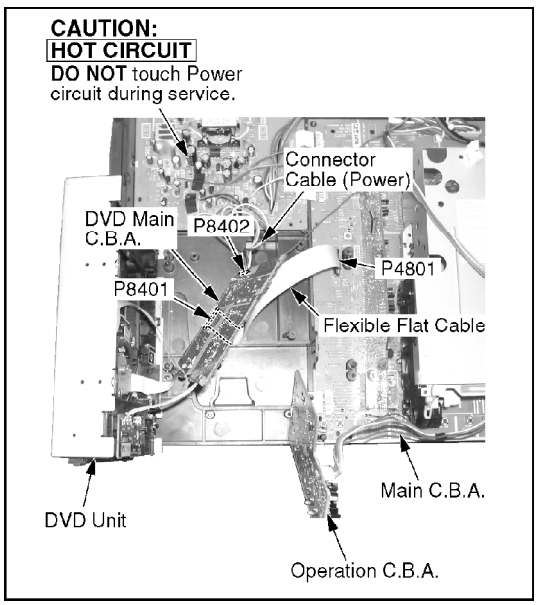
Alternative method:
Cover the S-Tab SW. with masking tape.

2. Place the tape between the Cassette Up Ass'y and Main C.B.A. to get a stability.

5.1.5.1.3. Service Position (3)

In Service Position (3), the DVD Main C.B.A. without Extension Cables can be performed.

Fig. 6-3



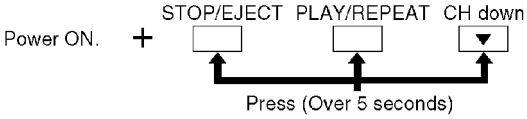
5.1.6. HOT CIRCUIT

Primary circuit exists on the Power Supply C.B.A. and the TV Main C.B.A.
This circuit is identified as " HOT " on the C.B.A. and in the Service Manual. Use extreme care to prevent accidental shock when servicing.

5.1.7. SERVICE MODE

In order to inhibit detection of the Supply & Takeup Photo Transistors, Reel Sensor, and Cylinder Lock, press and hold STOP/EJECT, PLAY/REPEAT, and CH down buttons of VCR operation panel on the unit together over 5 seconds in power on condition.

Fig. 7



The unit goes into service mode.
In this mode, Mechanism movement can be confirmed. When removing Cassette Up Ass'y, it can be confirmed without a cassette.
To release from this mode, press POWER button off or disconnect AC Plug.

5.1.8. CAUTION FOR INSTALLATION OF VCR/DVD ASS'Y

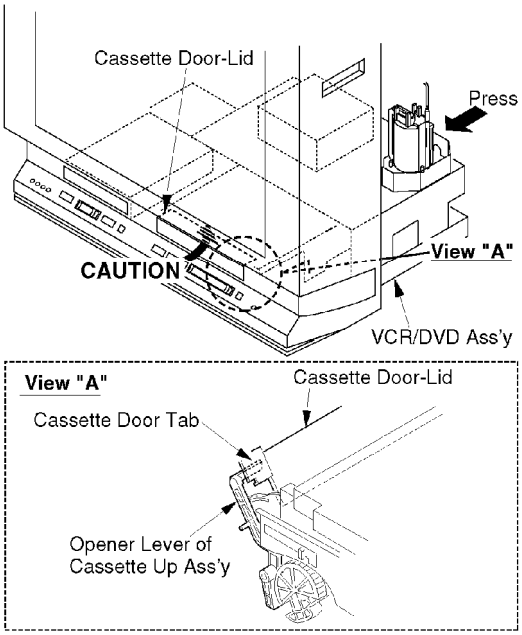
CAUTION:

Opener Lever may be damaged when VCR/DVD Ass'y is installed, with Cassette Door-Lid and Opener Lever of Cassette Up Ass'y set incorrectly.

Install the VCR/DVD Ass'y as follows:

1. **Swing the Cassette Door-Lid all the way open until the Cassette Door tab clears the Opener Lever.**
2. **Make sure that all guide tabs are aligned properly. Then, press the VCR/DVD Ass'y straight in.**

Fig. 8



5.1.9. METHOD FOR LOADING/UNLOADING OF MECHANISM

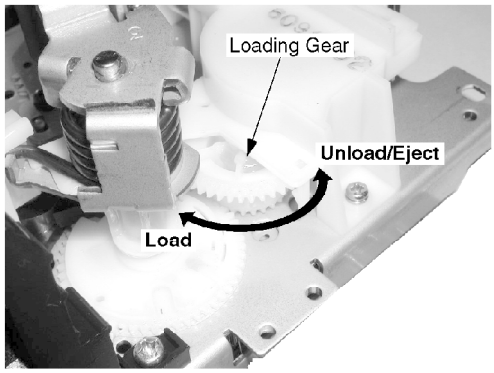
5.1.9.1. (Manual Method)

Turn the Loading Gear clockwise (for loading) or counterclockwise (for unloading) using needlenose pliers etc.

Note:

Do not use this method if Mechanism is jammed or locked.

Fig. 9-1



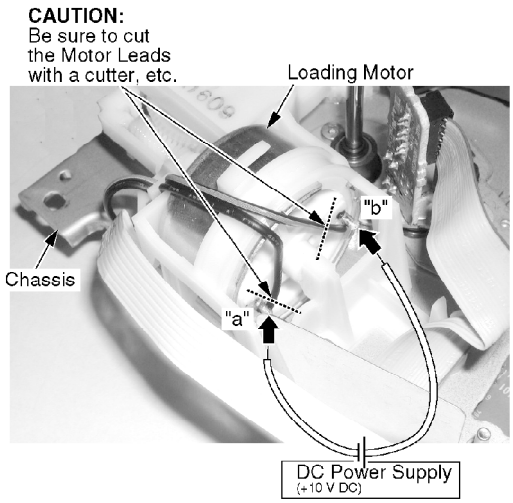
5.1.9.2. (Electrical Method)

Apply +10.0 V DC Power Supply to the Loading Motor terminals.
Loading
DC + to Portion "a," DC - to Portion "b"
Unloading
DC - to Portion "a," DC + to Portion "b"

CAUTION:

Before applying DC Power Supply, be sure to cut the Motor Leads with a cutter, etc.
Otherwise, the Loading Motor Drive IC (IC2501) may be damaged.

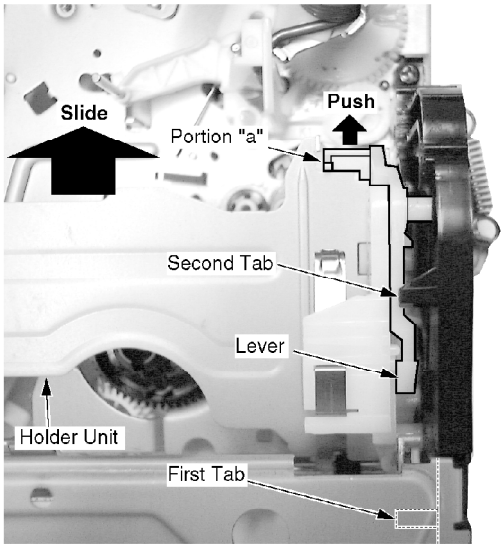
Fig. 9-2



5.1.9.2.1. WHEN LOADING WITHOUT A CASSETTE

When loading without a cassette, push Portion "a" on the Holder Unit of Cassette Up Ass'y so that the Lever clear the First Tab and Second Tab.

Fig. 9-3



5.1.10. HOW TO REMOVE A JAMMED TAPE

CAUTION:

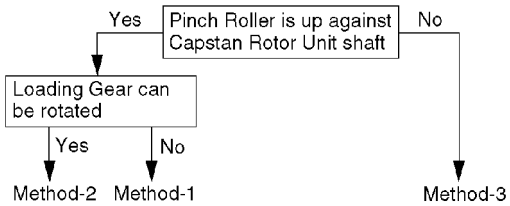
Wiper Arm Unit may be damaged or its spring may be out of place when the jammed tape is removed by force.

Remove a jammed tape as follows:

5.1.10.1. Manual Method

When a tape jam is encountered, check the tape loading condition and use the following procedure to remove a tape jam.

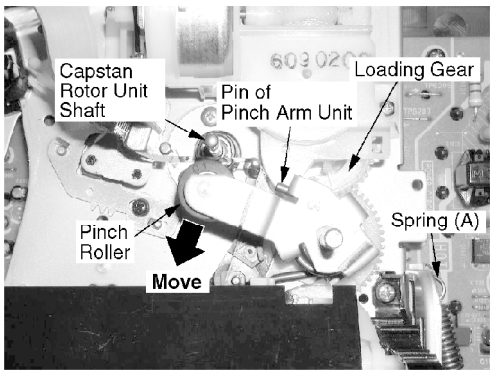
Fig. 10-1



Method -1:

1. Move the Pinch Roller Unit out by unhooking the Pin of Pinch Arm Unit so that the Pinch Roller is separated from the Capstan Rotor Unit shaft.

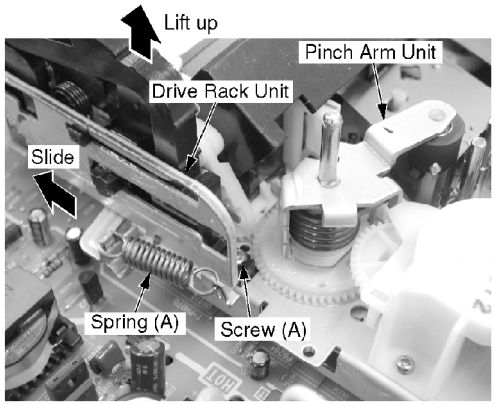
Fig.10-2



Top View

2. **Remove the tape from the tape path.**
3. **Rewind the tape into the cassette by rotating the Center Clutch Unit counterclockwise.**
4. **Unhook Spring (A) of the Drive Rack Arm.**
5. **Remove Screw (A).**
6. **Lift the Cassette Up Ass'y. While pulling the Cassette Up Ass'y out far enough so that it clears the Drive Rack Arm, slide the Drive Rack Unit as indicated by the arrow to remove the cassette tape from the Cassette Up Ass'y.**
7. **Check the cause of mechanical trouble and repair.**

Fig. 10-3



Method -2:

1. **Rotate Loading Motor counterclockwise with needlenose pliers, etc. so that the Pinch Roller is separated from the shaft of the Capstan Rotor Unit.**
2. **Perform Step 2 through Step 7 of Method -1.**

Method -3:

1. Perform Step 2 through Step 7 of Method -1.

Note:

After repairing mechanical trouble, make sure that all gear alignments are correct, especially the Wiper Arm Unit and Drive Rack Unit of Cassette Up Ass'y. (Refer to "EJECT Position Confirmation" in Disassembly/Assembly Procedures.)

5.1.10.2. Electrical Method

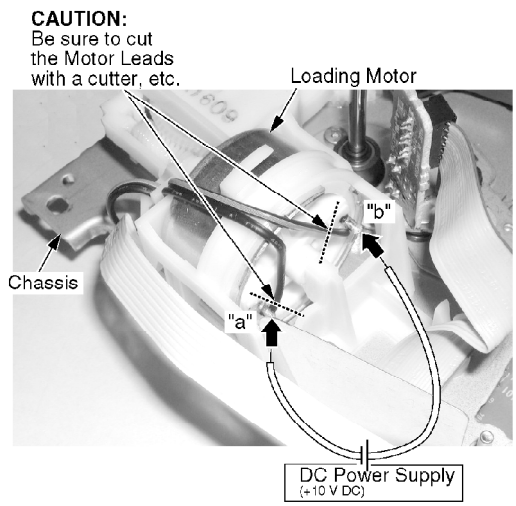
Electrical method can only be performed when the mechanism is moved by rotating the Loading Gear.

CAUTION:

1. **Before applying DC Power Supply, be sure to cut the Motor Leads with a cutter, etc.**
   Otherwise, the Loading Motor Drive IC (IC2501) may be damaged.
2. **If loading does not start in approx. 2 seconds after DC Power Supply is applied, DO NOT continue to apply DC Power Supply. Instead, perform "Manual Method."**

1. **Be sure to cut the Motor Leads with a cutter, etc.**
2. **Apply +10.0 V DC Power Supply to the Loading Motor terminals.**
3. **When the Loading Posts reach the fully unloaded position, remove the Power Supply.**

Fig. 11



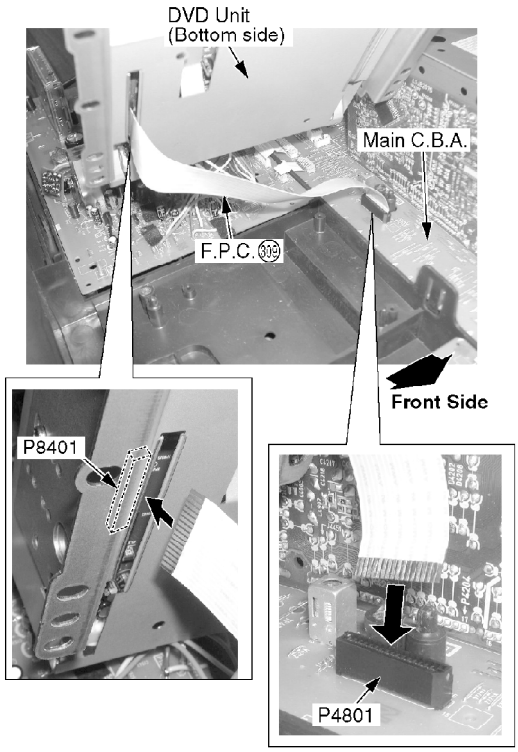
4. **Rewind the tape into the cassette by turning the Center Clutch Unit counterclockwise.**
5. **Eject the cassette by applying +10.0 V DC Power Supply again.**

5.1.11. F.P.C. CONNECTION NOTE

5.1.11.1. F.P.C. between the Capstan Motor and the Cylinder

Be careful with the direction of F.P.C. to connector as shown.

Fig. 13

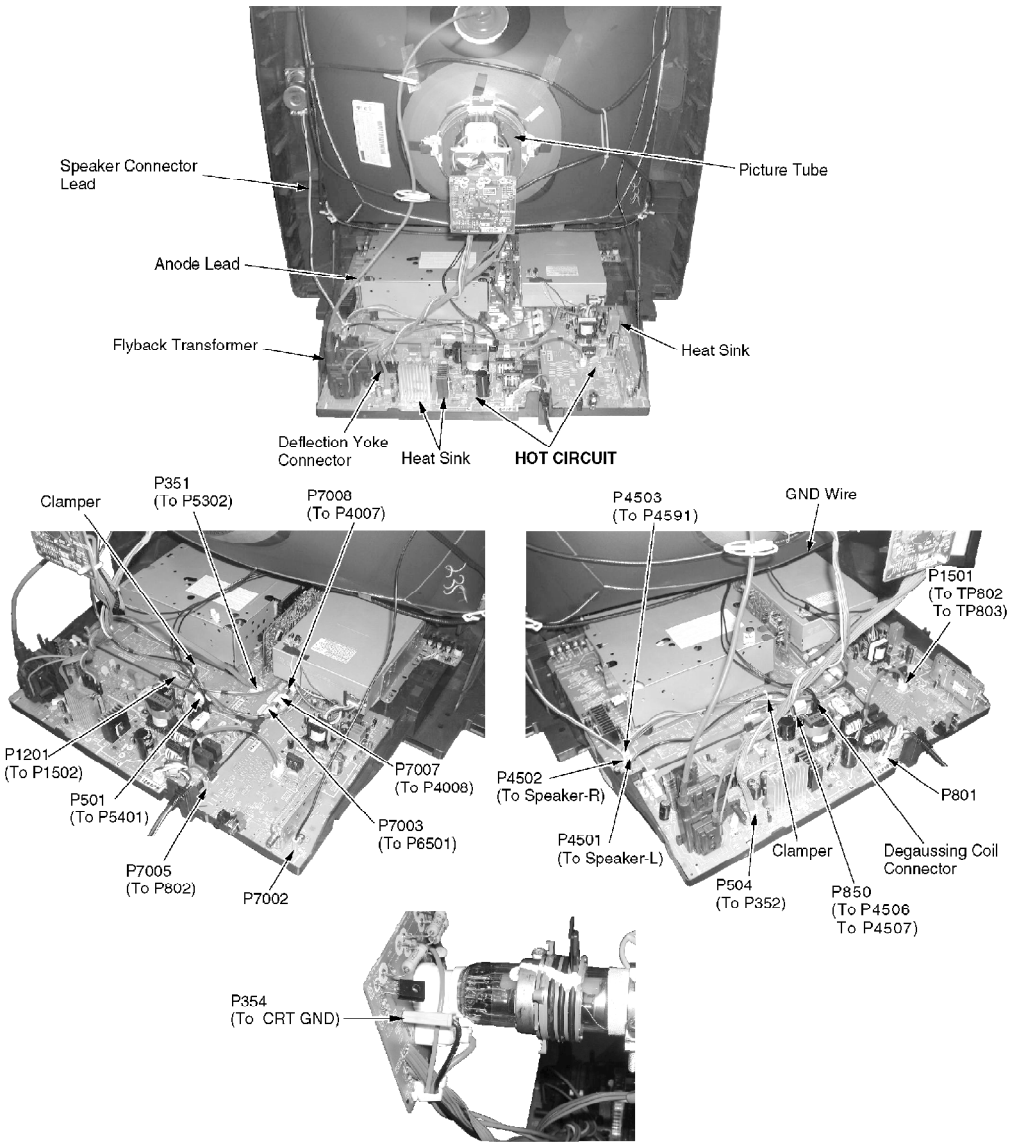


5.1.12. WIRE AND LEAD POSITION DIAGRAM

Fig. 14

After servicing, make sure that all wires, leads, and clampers are placed in their original position. It is important for the best operation of the unit.

Note:
No lead wires or flat cables should touch any heating parts or the Heat Sink Plate.
Use extreme care especially for followings.



5.1.13. DEFEATING THE AUTO TRACKING

To defeat the Auto Tracking Function, place the instrument in the STOP mode and place a jumper between TP6003 and TP6009 on the Main C.B.A. The tracking will be placed in the neutral position.

5.1.14. HOW TO SET TRACKING TO THE NEUTRAL POSITION

Ejecting the cassette tape and then reinserting it will reset the tracking to the Neutral position.

5.1.15. BLACK SCREWS ON THE CHASSIS

Black Screws are used on the Mechanism Chassis to identify screws that require adjustment.

5.1.16. HOW TO RESET ALL COMBINATION DVD VCR MEMORY FUNCTIONS

To reset (clear) the select language, channel auto set and set clock functions to their initial

power on condition (power on, no cassette inserted), hold down the PLAY/REPEAT and FF buttons of VCR operation panel on the unit together for more than 5 seconds.
Power will shut off.

5.1.17. HOW TO CONFIRM AUTO CLOCK SET FEATURE

1. **Connect an RF cable from the output of one unit to the input of the test unit.**
2. **Select corresponding RF channels.**
3. **Playback a recording of P.B.S. channel including clock set data and confirm this feature.**

5.1.18. VARIABLE VOLTAGE ISOLATION TRANSFORMER

An Isolation Transformer should always be used during the servicing of Combination DVD VCR whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect Combination DVD VCR from being damaged by accidental shorting that may occur during servicing.
Also, when troubleshooting the above type of Power Supply Circuit, a variable isolation transformer is required in order to increase the input voltage slowly.

5.1.19. SPECIAL NOTE

All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.

5.1.20. MODEL NO. IDENTIFICATION MARK

Use Marks shown in the chart below to distinguish the different models included in this Service Manual.

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

Note:
Refer to Item 3 of Schematic Diagram Notes of Schematic Diagram and Circuit Board Layout Notes, for mark "PT."

6. DISASSEMBLY/ASSEMBLY PROCEDURES

6.1. CABINET SECTION

6.1.1. Disassembly Flowchart

Perform all disassembly procedures in the order described in the "Disassembly Flowchart" shown below. When reassembling, use the reverse procedure.

CAUTION:

Disconnect AC plug before disassembly.

Fig. D1

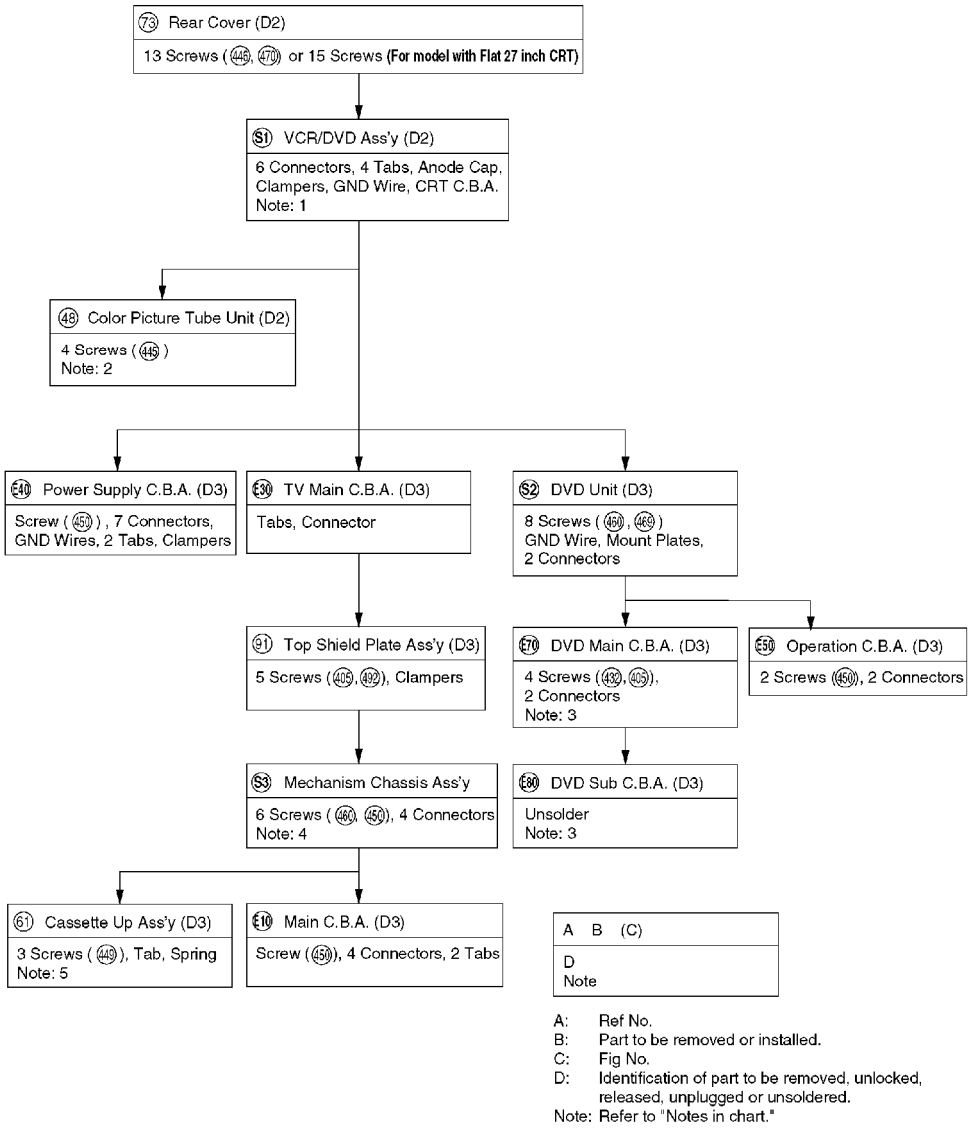

73 Rear Cover (D2)
13 Screws (446, 470) or 15 Screws (For model with Flat 27 inch CRT)
S1 VCR/DVD Ass'y (D2)
6 Connectors, 4 Tabs, Anode Cap, Clampers, GND Wire, CRT C.B.A.
Note: 1
48 Color Picture Tube Unit (D2)
4 Screws (445)
Note: 2
E40 Power Supply C.B.A. (D3)
Screw (450), 7 Connectors, GND Wires, 2 Tabs, Clampers
E30 TV Main C.B.A. (D3)
Tabs, Connector
S2 DVD Unit (D3)
8 Screws (460, 465)
GND Wire, Mount Plates, 2 Connectors
91 Top Shield Plate Ass'y (D3)
5 Screws (405, 492), Clampers
E70 DVD Main C.B.A. (D3)
4 Screws (432, 405), 2 Connectors
Note: 3
E50 Operation C.B.A. (D3)
2 Screws (450), 2 Connectors
S3 Mechanism Chassis Ass'y
6 Screws (460, 450), 4 Connectors
Note: 4
E80 DVD Sub C.B.A. (D3)
Unsolder
Note: 3
61 Cassette Up Ass'y (D3)
3 Screws (449), Tab, Spring
Note: 5
E10 Main C.B.A. (D3)
Screw (450), 4 Connectors, 2 Tabs
A B (C)
D
Note
A: Ref No.
B: Part to be removed or installed.
C: Fig No.
D: Identification of part to be removed, unlocked, released, unplugged or unsoldered.
Note: Refer to "Notes in chart."

Fig. D2

IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
-	A
-	B
PV-DF2003-K	C
-	D
-	E
PV-DF2703-K	F
-	G
-	H
PV-DM2793-K	I

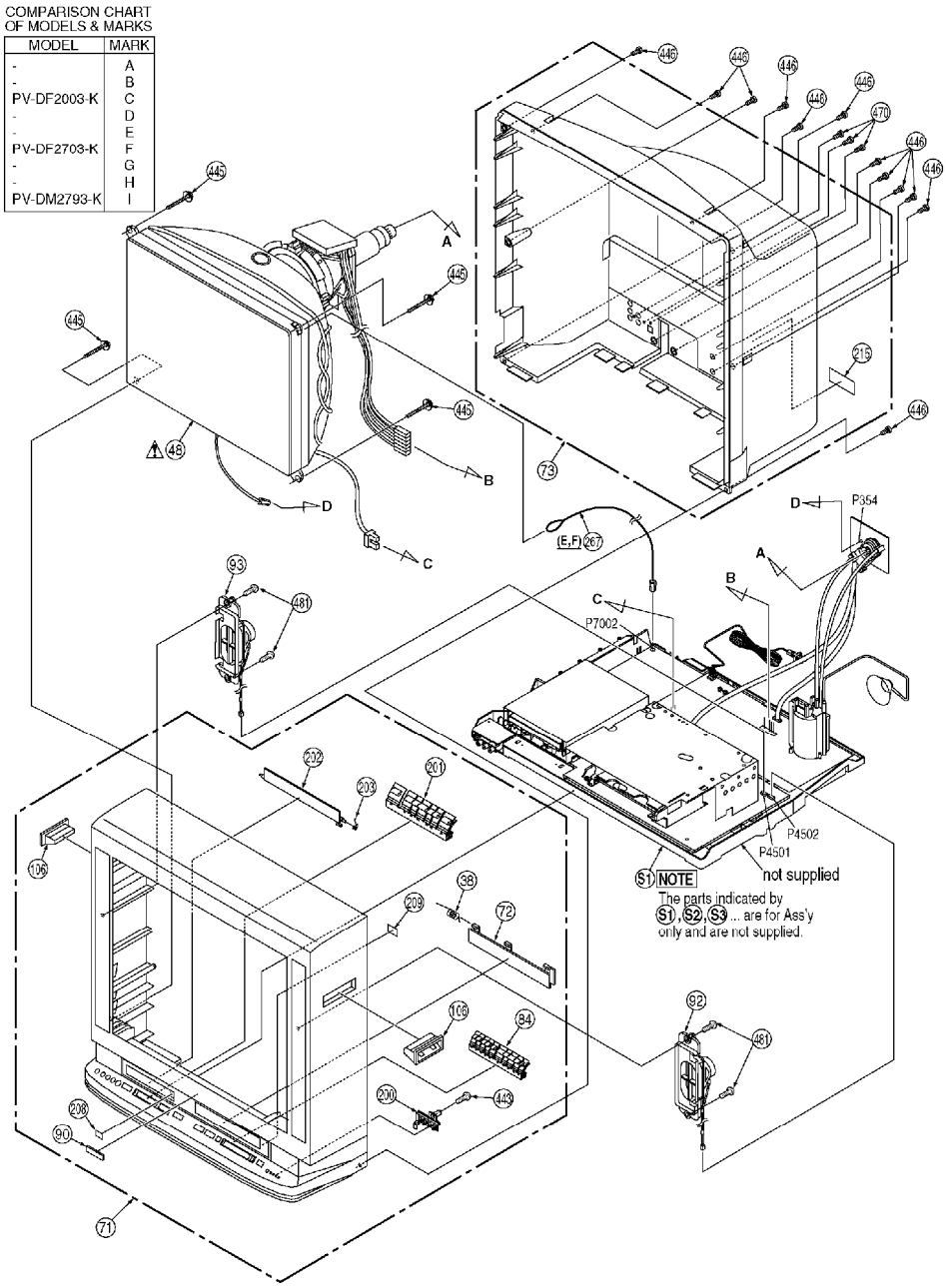
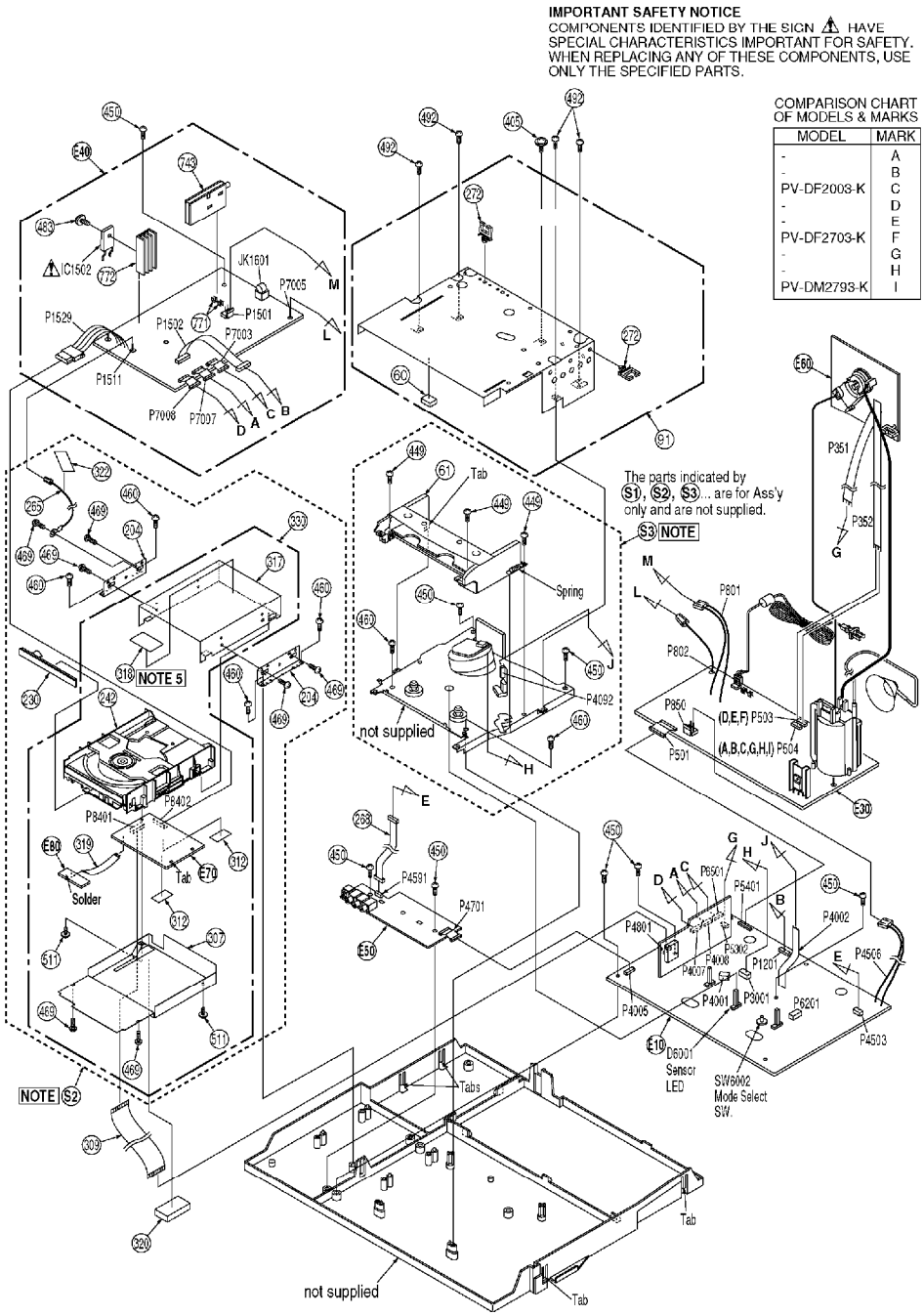


Fig. D3

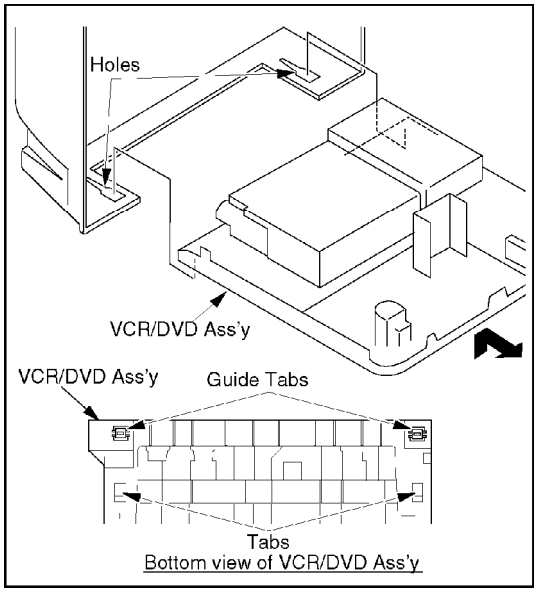


NOTE 5: When replacing the DVD Frame (Ref. No. 317), be sure to place the Rating Label (Ref. No. 318) on it.

6.1.1.1. Notes in chart

1. Removal of VCR/DVD Ass'y

Fig. D4



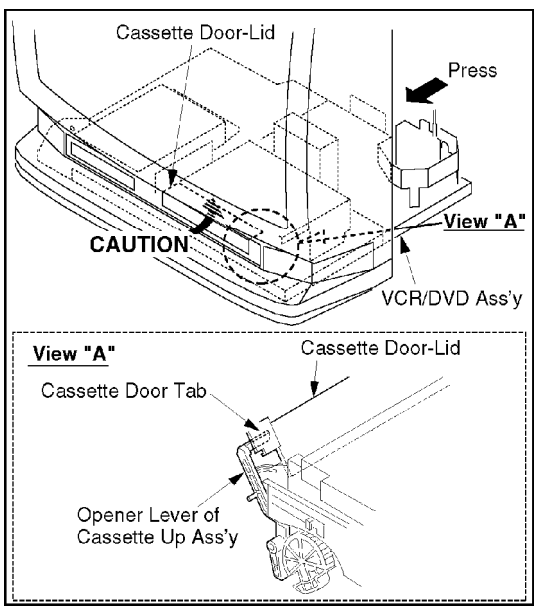
Installation of VCR/DVD Ass'y

CAUTION:

Opener Lever may be damaged when VCR/DVD Ass'y is installed, with Cassette Door-Lid and Opener Lever of Cassette Up Ass'y set incorrectly.

1. **When installing the VCR/DVD Ass'y, swing the Cassette Door-Lid all the way open until the Cassette Door tab clears the Opener Lever.**
2. **Make sure that all guide tabs are aligned properly. Then, press the VCR/DVD Ass'y straight in.**

Fig. D5



2. Removal of Color Picture Tube Unit

Place the Unit face down on a soft cloth before removing the Color Picture Tube Unit.

3. Removal of DVD Sub C.B.A.

A. Remove solder portions "a," "b," and "c" on the DVD Sub C.B.A.

B. Remove the DVD Sub C.B.A. while releasing the Locking Tab.

Installation of DVD Main C.B.A. and DVD Sub C.B.A.

A. Confirm that the Lever A is positioned as shown, and install the DVD Sub C.B.A. with the Locking Tab and 2 bosses.

B. Install the DVD Main C.B.A. with the Locking Tab and the rib.

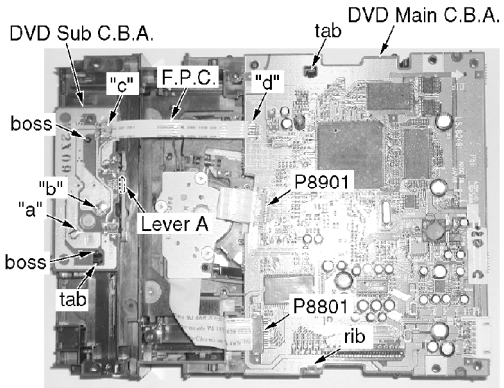
C. Solder portions "a," "b," "c" and "d" on the DVD Sub C.B.A.

Note:

Solder portions "a" and "b" while pushing down the DVD Sub C.B.A. securely.

D. Connect the F.P.C.s to Connectors P8901, P8801 on the DVD Main C.B.A.

Fig. D6



<Bottom View>

4. Removal of Mechanism Chassis Ass'y

Work carefully so as not to break Sensor LED when lifting the Mechanism Chassis and Cassette Up Ass'y.

When disconnecting the P4002 Flat Cable from the Connector P4092 on the AC Head, care must be taken to hold the Connector P4092 stable to avoid damaging it.

Otherwise, a satisfactory picture and secure precise tracking will not be achieved. (Refer to "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT.)

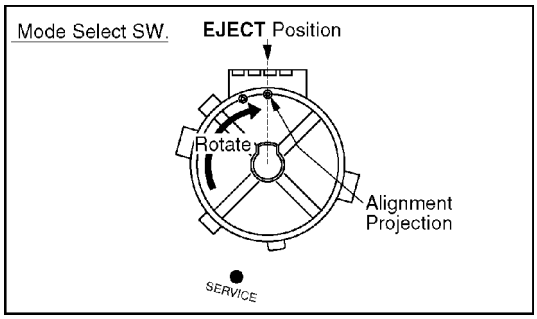
Installation of Mechanism Chassis and Cassette Up Ass'y onto

Main C.B.A.

A. Make sure the Mode Select SW. on the Main C.B.A. is in EJECT position. If not, rotate the Mode Select SW. until the alignment projection is in the EJECT Position.

B. Make sure the Mechanism and Cassette Up Ass'y are in the EJECT Position. (Refer to "EJECT Position Confirmation" in DISASSEMBLY/ASSEMBLY PROCEDURES.)

Fig. D7



C. Install the Mechanism Chassis and Cassette Up Ass'y straight onto the Main C.B.A. so that the Sensor LED clears the hole in the Mechanism Chassis and that 3 Connectors (P6201, P3001 and P4001) are aligned and seated securely.

5. Installation of Cassette Up Ass'y

A. Confirm that the Locking Tab under the Cassette Up Ass'y is in Hole on the Mechanism Chassis when installing the Cassette Up Ass'y. Then, slide the Cassette Up Ass'y towards the back.

B. When installing 2 Screws (449), slide the Holder Unit (Refer to "WHEN LOADING WITHOUT A CASSETTE" in Service Notes) to tighten screws. Then, slide it back to the EJECT Position.

C. Hook Spring to the Drive Rack Arm on the Mechanism Chassis.

6.2. MECHANISM SECTION

6.2.1. Disassembly/Reassembly Method

This procedure starts with the condition that the cabinet parts and Main C.B.A. have been removed.
When reassembling, perform the step(s) in the reverse order.
Perform all disassembly/reassembly and alignments procedures in EJECT Position.

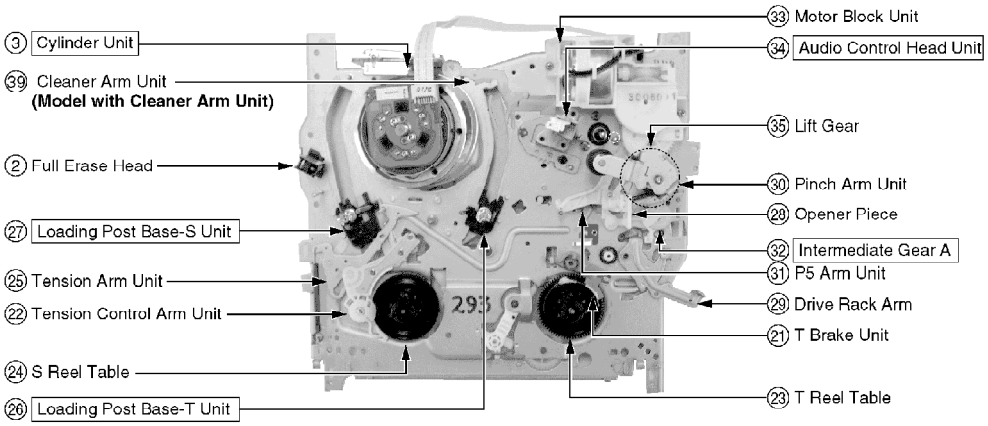
Step/Loc No.	Prior Step(s)	Part	Fig. No.	Remove	Alignment/Adjustment
①	----------	Not used	-	-	
②	----------	Full Erase Head	J2	(L-1), (S-1), A/C Shield Plate	
③	1	Cylinder Unit	J2	2(S-2), 3(S-3), Flexible Cable, Head Amp C.B.A., Unsolder	TAPE INTERCHANGEABILITY Adjustment
④	----------	Capstan Belt	J3-1	-	
⑤	----------	Support Angle	J3-1	(S-4), (S-5)	
⑥	5	Intermediate Gear B	J3-1	(L-2)	Gear Alignment
⑦	4,5,6	Main Cam Gear	J3-1	Main Cam Push Nut	Gear Alignment
⑧	4	Center Clutch Unit	J4-1	(W-1)	
⑨	4,8	Changing Gear Spring	J4-1	-	
⑩	4,8,9	Changing Gear	J4-1	-	
⑪	4,8,9,10	Idler Arm Unit	J4-1	-	
⑫	----------	Reel Gear	J5-1	2(L-3)	
⑬	4,5,6,7,8,9,10	Main Rod	J5-1	(W-2), (L-4)	Gear Alignment
⑭	----------	Not used	-	-	
⑮	4	Capstan Motor Unit	J6	3(S-6)	
⑯	----------	Not used	-	-	
⑰	----------	Not used	-	-	
⑱	----------	Not used	-	-	
⑲	4,8,9,10,13	T Loading Arm Unit	J7-1	-	Gear Alignment
⑳	4,5,6,7,8,9,10,13,19	S Loading Arm Unit	J7-1	-	Gear Alignment
㉑	----------	T Brake Unit	J8-1	-	
㉒	----------	Tension Control Arm Unit	J8-1	3(L-5)	
㉓	21	T Reel Table	J8-1	-	
㉔	22	S Reel Table	J8-1	-	
㉕	22	Tension Arm Unit	J8-1	2(L-6), (P-1), (P-2)	
㉖	22,25	Loading Post Base-T Unit	J9	-	P2 AND P3 POST HEIGHT, TAPE INTERCHANGEABILITY Adjustment
㉗	22,25	Loading Post Base-S Unit	J9	-	
㉘	----------	Opener Piece	J10-1	2(L-7)	
㉙	4,5,6,7	Drive Rack Arm	J10-1	-	
㉚	28	Pinch Arm Unit	J10-1	Pinch Assist Spring	
㉛	28,30	P5 Arm Unit	J10-1	-	
㉜	5,6,28	Intermediate Gear A	J10-1	-	Gear Alignment
㉝	----------	Motor Block Unit	J11	2(S-9)	
㉞	----------	Audio Control Head Unit	J11	(S-10)	TAPE INTERCHANGEABILITY Adjustment
㉟	5,6,28,30,32,33	Lift Gear	J11	-	
㊱	----------	Not used	-	-	
㊲	22,25	Tension Arm Boss	J11	(L-8)	
㊳	----------	SS Brake Arm Unit	J5-1	(L-9), (P-3)	
㊴	----------	Cleaner Arm Unit **(Model with Cleaner Arm Unit)**	J11	(L-10)	

6.2.2. Inner Parts Location

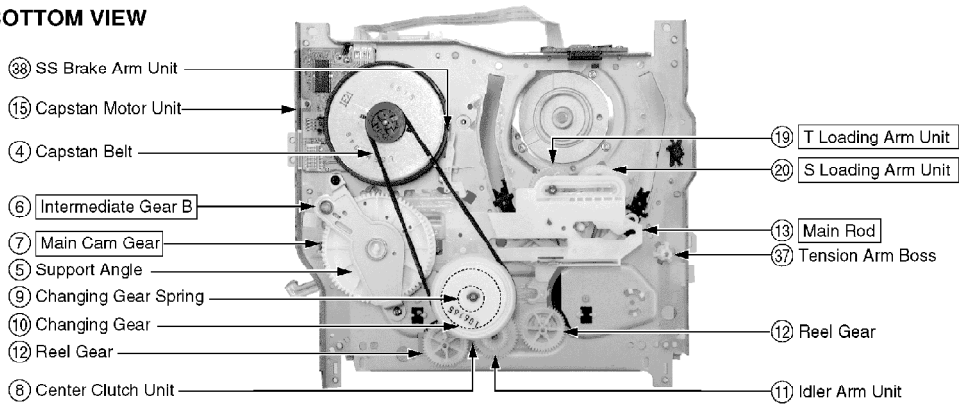
Note: BOX indicates alignment (Gear Alignment or Mechanical Adjustment) required when a part is replaced.

Fig. J1-1

TOP VIEW


③ Cylinder Unit
㊴ Cleaner Arm Unit
(Model with Cleaner Arm Unit)
② Full Erase Head
㉗ Loading Post Base-S Unit
㉕ Tension Arm Unit
㉒ Tension Control Arm Unit
㉔ S Reel Table
㉖ Loading Post Base-T Unit
㉝ Motor Block Unit
㉞ Audio Control Head Unit
㉟ Lift Gear
㉚ Pinch Arm Unit
㉘ Opener Piece
㉜ Intermediate Gear A
㉛ P5 Arm Unit
㉙ Drive Rack Arm
㉑ T Brake Unit
㉓ T Reel Table

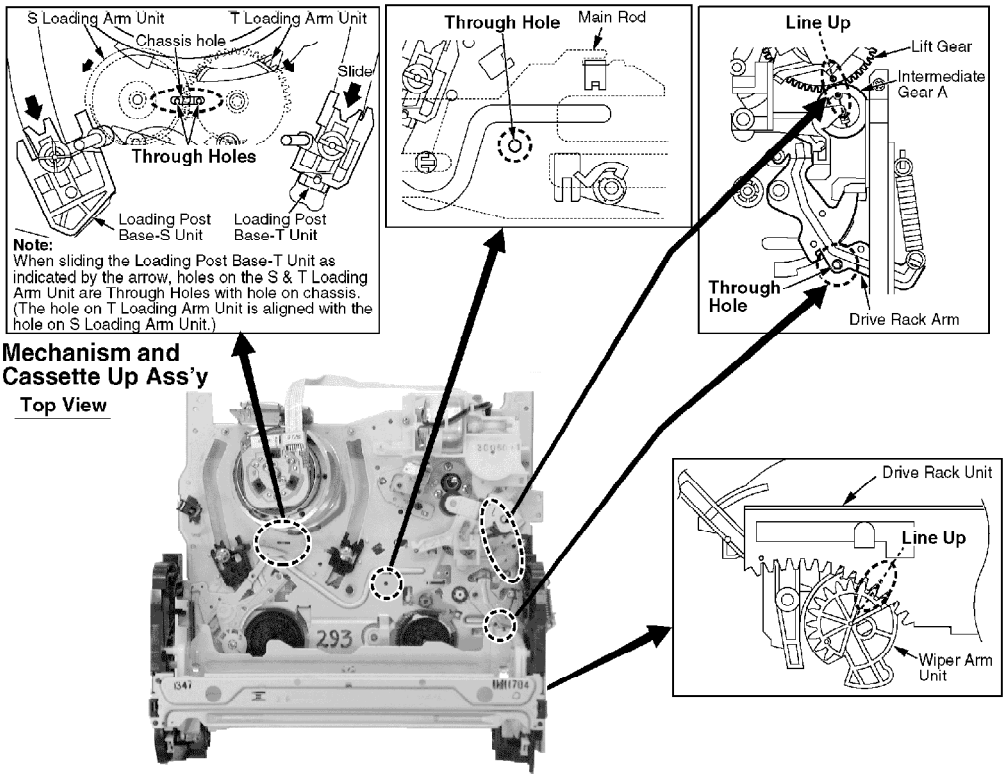
BOTTOM VIEW



6.2.3. EJECT Position Confirmation

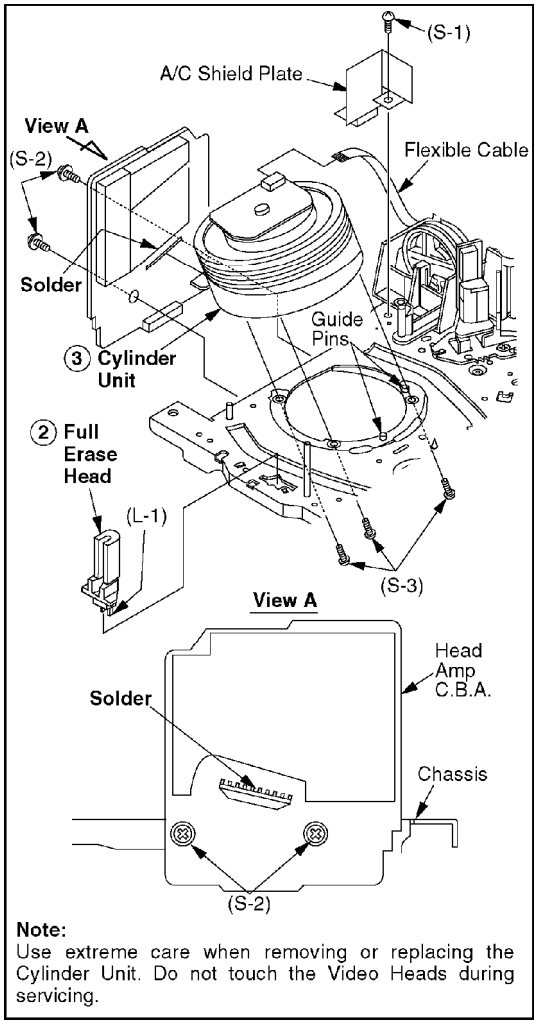
Fig. J1-2

Check the following alignment points to confirm that the Mechanism and Cassette Up Ass'y are in the **EJECT** Position from the top side.


S Loading Arm Unit
T Loading Arm Unit
Chassis hole
Slide
Through Holes
Loading Post Base-S Unit
Loading Post Base-T Unit
Note:
When sliding the Loading Post Base-T Unit as indicated by the arrow, holes on the S & T Loading Arm Unit are Through Holes with hole on chassis. (The hole on T Loading Arm Unit is aligned with the hole on S Loading Arm Unit.)
Through Hole
Main Rod
Line Up
Lift Gear
Intermediate Gear A
Through Hole
Drive Rack Arm
Mechanism and Cassette Up Ass'y
Top View
Drive Rack Unit
Line Up
Wiper Arm Unit

6.2.4. Full Erase Head and Cylinder Unit

Fig. J2



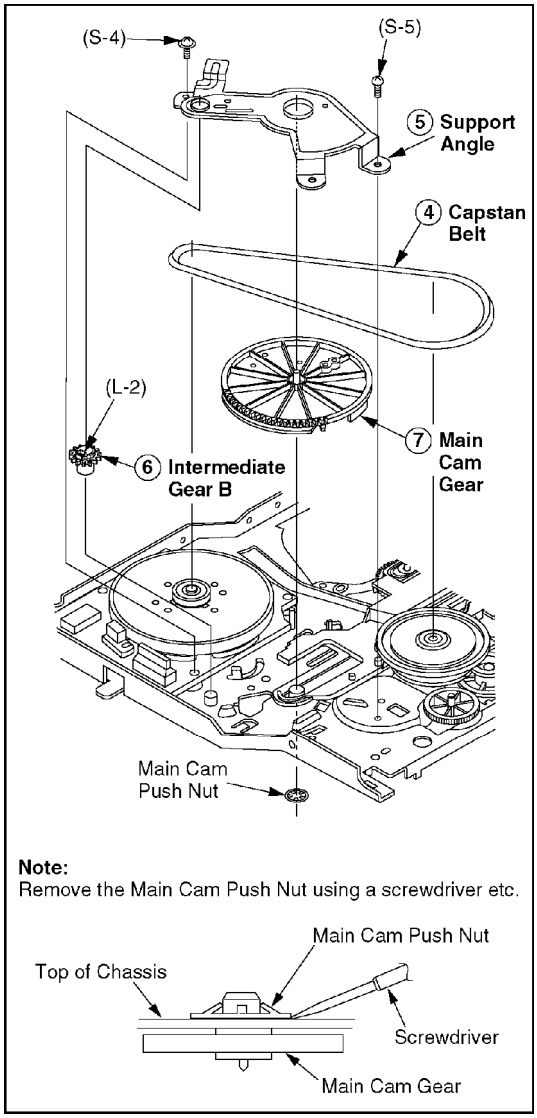
Note:
Use extreme care when removing or replacing the Cylinder Unit. Do not touch the Video Heads during servicing.

6.2.4.1. Reassembly Notes

1. After replacing the Cylinder Unit, clear the Total elapsed "Cylinder rotation" time (in hours) to 0. Refer to "USAGE SCREEN MODE" in SERVICE NOTES.

6.2.5. Capstan Belt, Support Angle, Intermediate Gear B, and Main Cam Gear

Fig. J3-1



6.2.5.1. Reassembly Notes

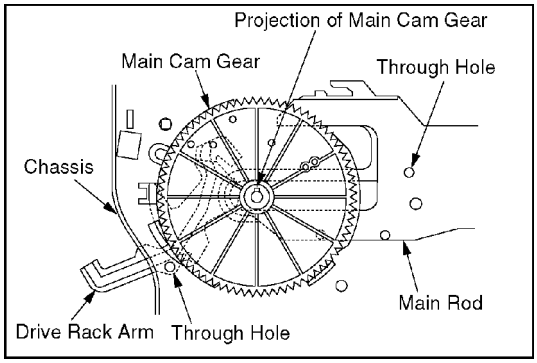
1. Alignment of Main Cam Gear, Drive Rack Arm, and Main Rod

A. Confirm that the hole on Main Rod is a Through Hole with a hole on chassis.

B. Confirm that the hole on Drive Rack Arm is a Through Hole with a hole on chassis.

C. Install the Main Cam Gear so that the projection of Main Cam Gear is in the upward position as shown.

Fig. J3-2

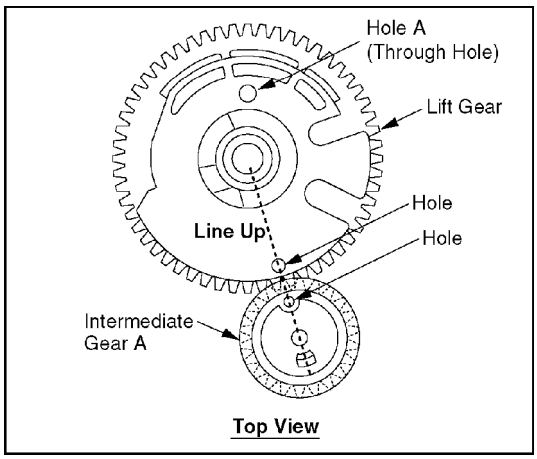


2. Confirmation/Alignment of Intermediate Gear B, Main Cam Gear, and Intermediate Gear A

A. Confirm that the Hole A on Lift Gear is a Through Hole with a hole on chassis.

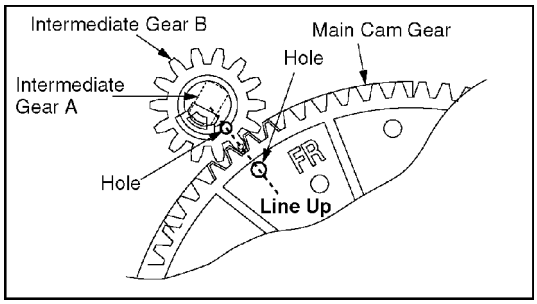
B. Confirm that the hole on Intermediate Gear A is aligned with the hole on Lift Gear.

Fig. J3-3



C. Install the Intermediate Gear B so that the hole on the Intermediate Gear B is aligned with the hole on the Main Cam Gear.

Fig. J3-4

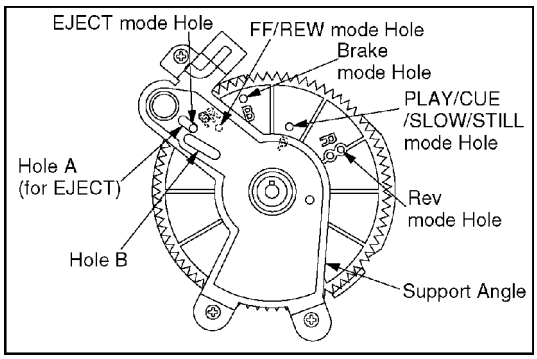


3. Holes on Main Cam Gear

A. The EJECT mode Hole on Main Cam Gear should be a Through

Hole with Hole A on Support Angle in EJECT mode. The each mode Hole on Main Cam Gear should be a Through Hole with Hole B on Support Angle in each mode.

Fig. J3-5



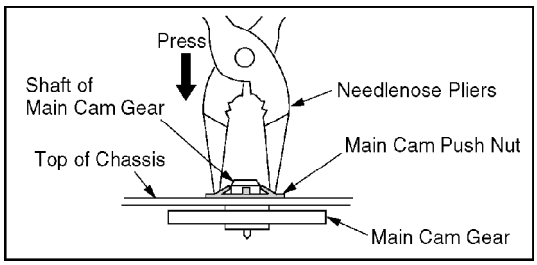
4. Drive Rack Arm Kit

A. Main Cam Gear is supplied as a Drive Rack ArmKit only. Main Cam Gear Kit consists of a Drive Rack Arm,a Main Cam Gear and a Main Cam Push Nut.
However, Main Cam Push Nut is available separately as a replacement part.

5. Installation of Main Cam Gear and Main Cam Push Nut

A. After installing the Support Angle, install the Main Cam Push Nut with Needlenose Pliers etc. so that it is flush with the chassis.
There may be some slight scratches on the Shaft of Main Cam Gear, when removing the Main Cam Gear. In case that the Main Cam Gear can be installed securely without tottering, it is fine to use the one. If any tottering, install all new parts.

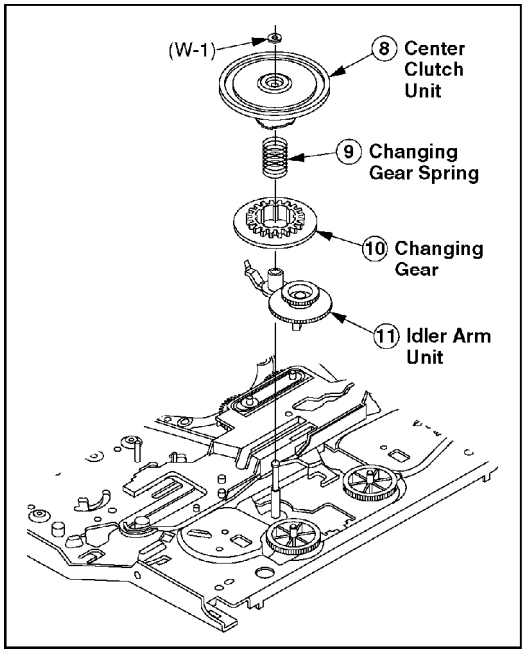
Fig. J3-6



6. The Main Cam Push Nut is not reusable. Install a new one.

6.2.6. Center Clutch Unit, Changing Gear Spring, Changing Gear, and Idler Arm Unit

Fig. J4-1

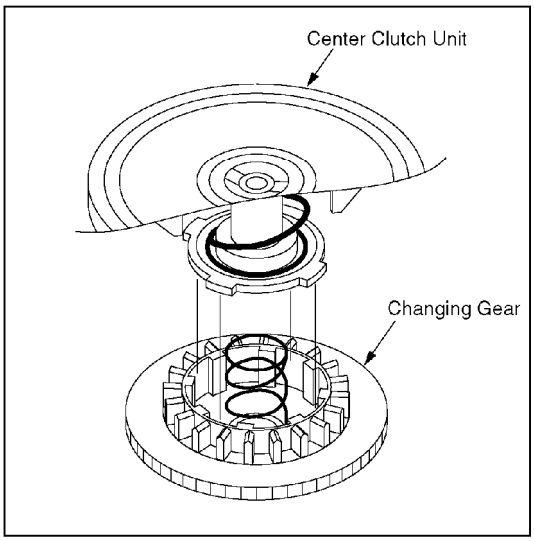


6.2.6.1. Reassembly Notes

1. Installation of Center Clutch Unit

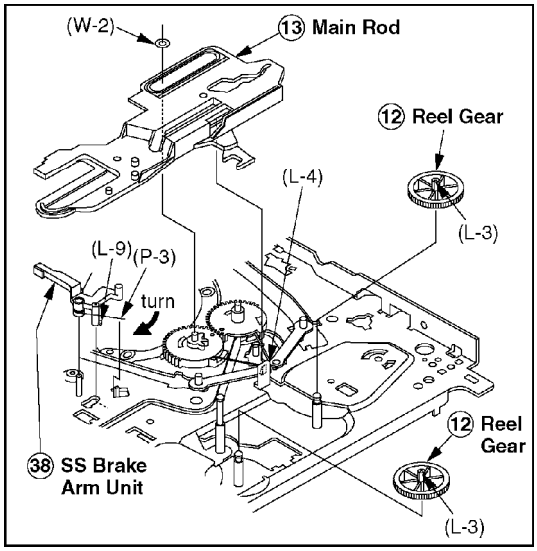
A. Fit the Center Clutch Unit into the Changing Gear.

Fig. J4-2



6.2.7. Reel Gear, Main Rod, and SS Brake Arm Unit

Fig. J5-1

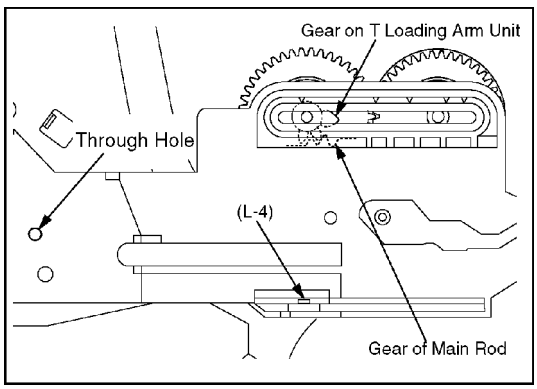


6.2.7.1. Reassembly Notes

1. Alignment of Main Rod and T Loading Arm Unit

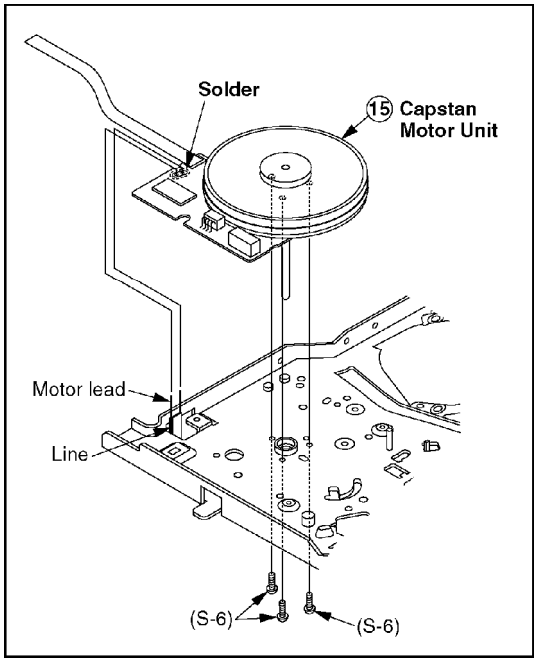
A. Align the Gear of T Loading Arm Unit with Gear of Main Rod. Confirm that the Hole on Main Rod is a Through Hole with a hole on chassis.

Fig. J5-2



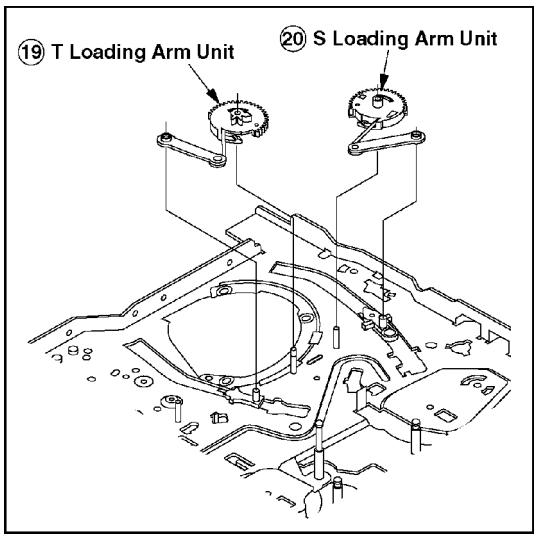
6.2.8. Capstan Motor Unit

Fig. J6



6.2.9. T Loading Arm Unit and S Loading Arm Unit

Fig. J7-1



6.2.9.1. Reassembly Notes

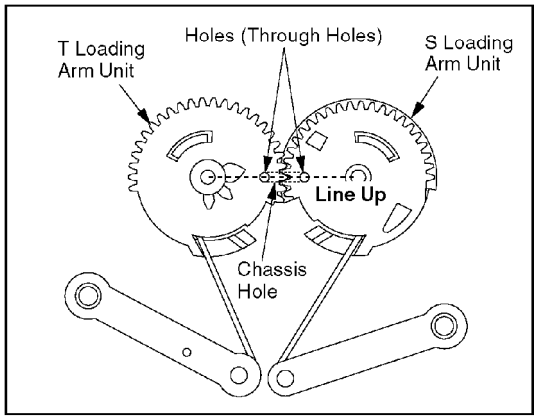
1. Alignment of T Loading Arm Unit and S Loading Arm Unit

A. Install the S Loading Arm Unit onto the chassis.

B. Install the T Loading Arm Unit so that the hole on T Loading Arm Unit is aligned with the hole on S Loading Arm Unit.

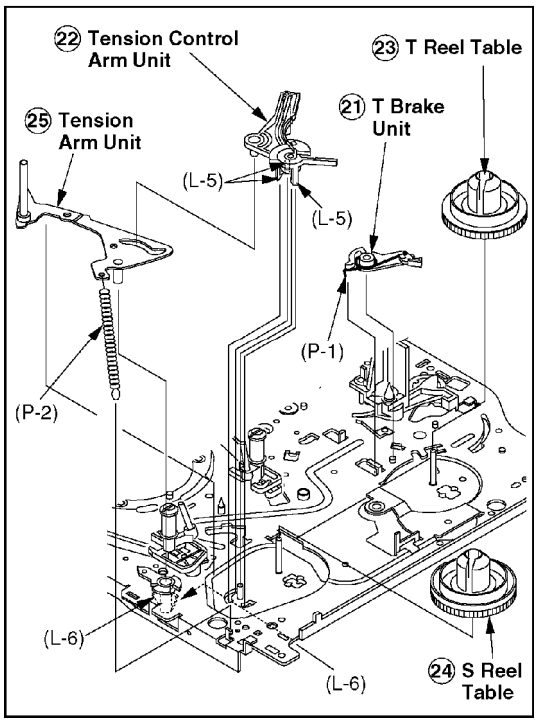
C. Confirm that the holes on the S & T Loading Arm Unit are Through Holes with hole on chassis.

Fig. J7-2



6.2.10. T Brake Unit, Tension Control Arm Unit, T Reel Table, S Reel Table, and Tension Arm Unit

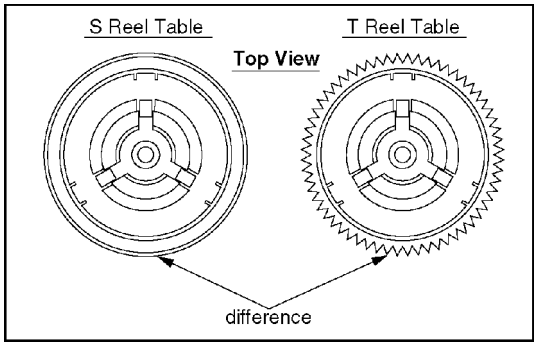
Fig. J8-1



6.2.10.1. Reassembly Notes

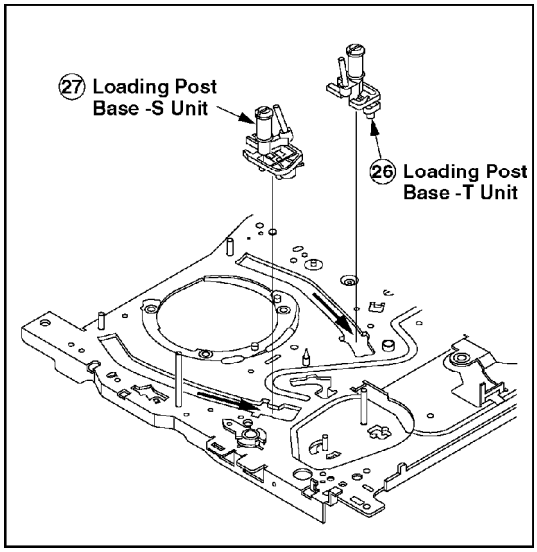
1. How to distinguish between S Reel Table and T Reel Table

Fig. J8-2



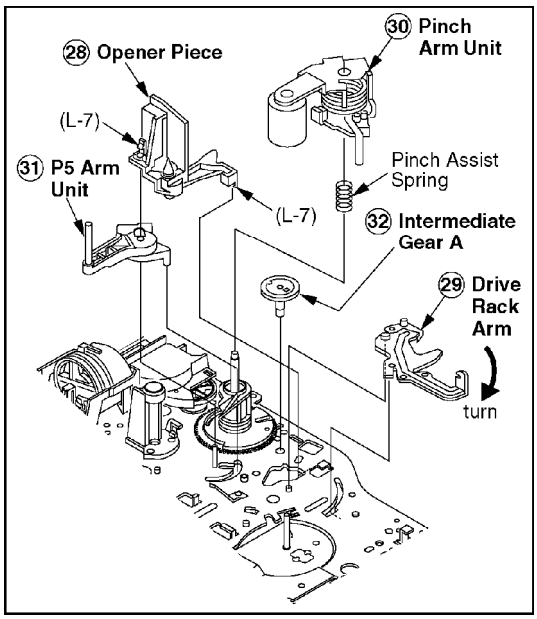
6.2.11. Loading Post Base -T Unit and Loading Post Base -S Unit

Fig. J9



6.2.12. Opener Piece, Drive Rack Arm, Pinch Arm Unit, P5 Arm Unit, and Intermediate Gear A

Fig. J10-1



6.2.12.1. Reassembly Notes

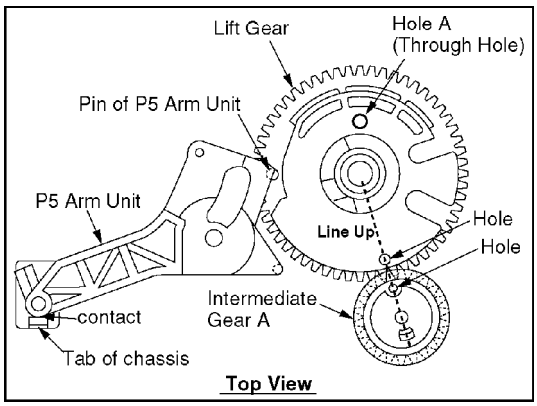
1. Installation/Alignment of Intermediate Gear A, Lift Gear and P5 Arm Unit

A. Rotate the Lift Gear so that Hole A on Lift Gear is a Through Hole with a hole on chassis.

B. Install the Intermediate Gear A so that the hole on Intermediate Gear A is aligned with the hole on Lift Gear.

C. Install the P5 Arm Unit so that it contacts with the tab of chassis.

Fig. J10-2



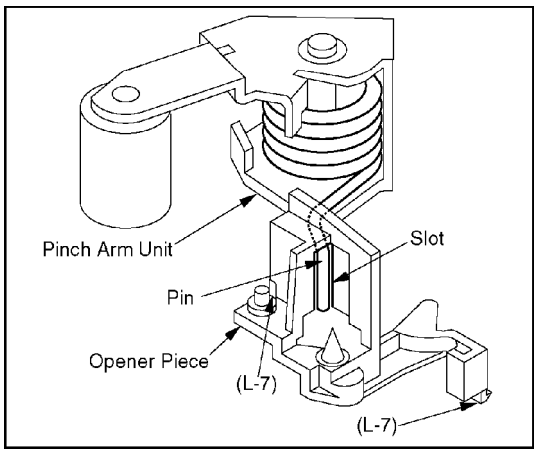
2. Drive Rack Arm Kit

A. Drive Rack Arm is supplied as a Drive Rack Arm Kit only.

3. Installation of Opener Piece

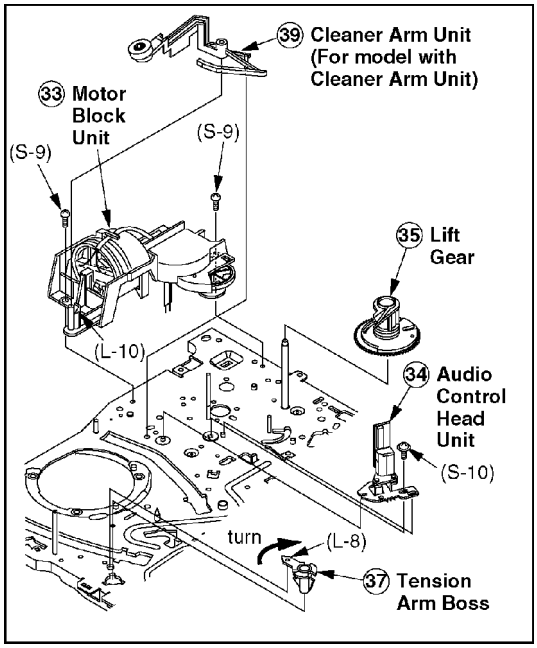
A. Install the Opener Piece so that the slot of the Opener Piece is inserted to the Pin of Pinch Arm Unit

Fig. J10-3



6.2.13. Motor Block Unit, Audio Control Head Unit, Lift Gear, Tension Arm Boss, and Cleaner Arm Unit

Fig. J11



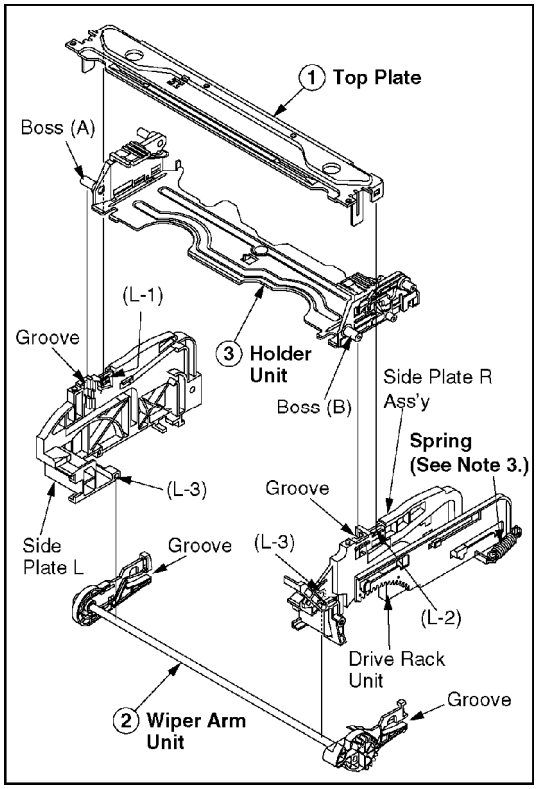
6.3. CASSETTE UP ASSEMBLY SECTION

This chart indicates Step/Location No. of Parts to be serviced and prior steps to gain access items to be serviced when disassembling. When reassembling, perform the step(s) in the reverse order.

Step/Loc. No.	Prior Step(s)	Part	Fig. No.	Remove	Alignment/Adjustment
①	----------	Top Plate	K1-1	(L-1), (L-2)	
②	1	Wiper Arm Unit	K1-1	2(L-3)	Gear Alignment
③	1,2	Holder Unit	K1-1	-	
④	----------	Opener Lever	K2	2(L-4)	
⑤	1,2,3,4	Drive Rack Unit	K2	-	

6.3.1. Top Plate, Wiper Arm Unit, and Holder Unit

Fig. K1-1



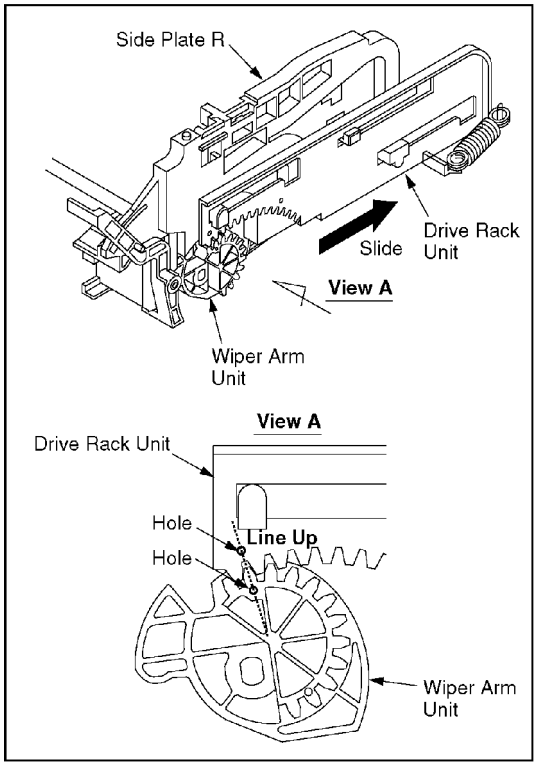
6.3.1.1. Reassembly Notes

1. Alignment of Wiper Arm Unit and Drive Rack Unit

A. Slide the Drive Rack Unit to the far right as indicated by the arrow.

B. Install the Wiper Arm Unit so that the hole on the Wiper Arm Unit is aligned with the hole on the Drive Rack Unit.

Fig. K1-2



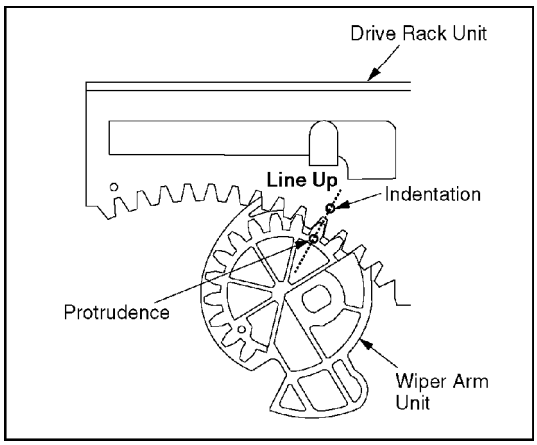
2. Installation of Holder Unit

A. Turn the Wiper Arm Unit so that the grooves on each end are aligned with the each groove on Side Plate L and R.

B. Insert Holder Unit boss (A) and (B) into the grooves as shown in Fig. K1-1.

C. Finally, in the EJECT Position, confirm that the protrudence on the Wiper Arm Unit is aligned with the indentation on the Drive Rack Unit.

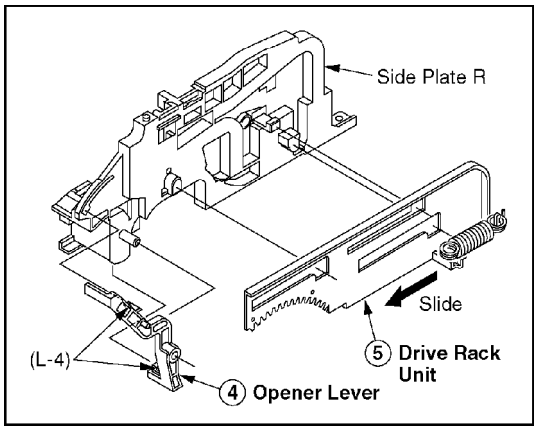
Fig. K1-3



3. Make sure to hook the spring to the Drive Rack Arm of Mechanism chassis.

6.3.2. Opener Lever and Drive Rack Unit

Fig. K2



7. ADJUSTMENT PROCEDURES

7.1. SERVICE FIXTURES AND TOOLS

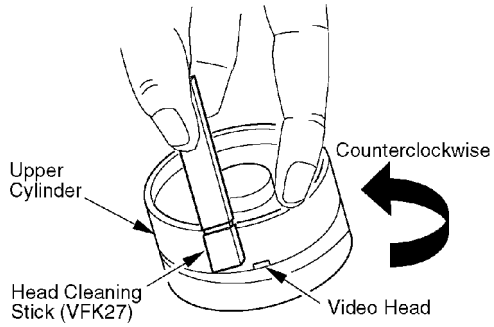
VFMS0003H6 VHS Alignment Tape Video: Color Bar & Monoscope Audio: 6kHz(MONO)	Back Tension Meter (Made in USA., Purchase Locally)	VFK27 Head Cleaning Stick
VFK0330 H-Position Adjustment Driver	VFKS0081 Grease	VFK0329 Post Adjustment Driver
DVDT-S01 DVD Test Disc		

7.2. MECHANICAL ADJUSTMENT

7.2.1. CLEANING PROCEDURE FOR THE UPPER CYLINDER UNIT

1. While slowly turning the Upper Cylinder Unit counterclockwise by hand, gently rub the Video Heads with a Head Cleaning Stick (VFK27) moistened with Ethanol.
When using a Cleaning Cassette, make sure to use "DRY" type only and be aware that excessive use can shorten head life.

Fig. M1



Note:

1. **Do not rub vertically or apply excess pressure to the Video Heads. Do not turn the Upper Cylinder Unit clockwise while cleaning.**
2. **After cleaning, use a Dry Head Cleaning Stick (VFK27) to remove any Ethanol remaining on the cylinder tape path. Otherwise, tape damage will occur.**

7.2.2. ADJUSTMENT PROCEDURES

7.2.2.1. BACK TENSION CONFIRMATION

Purpose:

To fine adjust the Back Tension so that the tape runs smoothly with a constant tension.

Symptom of Misadjustment:

1) If the tape tension is less than the specified value, the tape cannot come into proper contact with the Video Heads, resulting in poor picture playback.
2) If the tape tension is too high, the tape will soon be damaged.

Equipment Required:

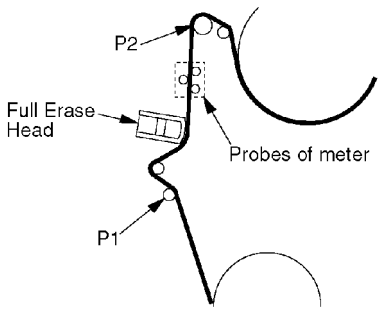
Back Tension Meter (Made in U.S.A., Purchase Locally)
VHS Cassette Tape (120-Minute Tape)

Specification:

22.4 gf±2.5 gf
(0.220 N±0.025 N)

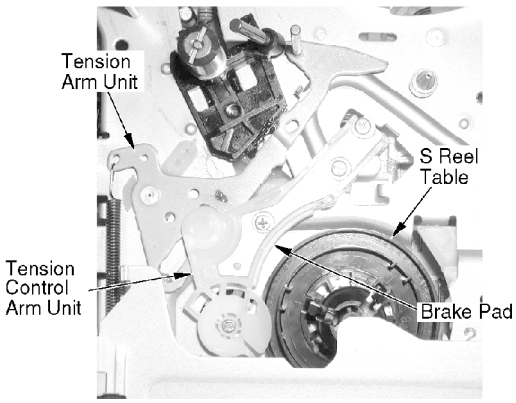
1. **Play back a T120 cassette tape from the beginning for approx. 10 to 20 seconds to stabilize tape movement.**
2. **Insert a Tension Meter into tape path and measure the back tension.**

Fig. M2-1



3. If the reading is out of specification, make sure that there is no dust or foreign material between the Brake Pad of Tension Control Arm Unit and the S Reel Table.
   After cleaning, the reading of tension measurement is still out of specification, replace the Tension Arm Unit and the Tension Control Arm Unit.

Fig. M2-2



Note:

1. Be sure that the three probes of the meter are all in solid contact with the tape, but not touching any other parts of the mechanism.
2. It is recommended that measurements should be repeated at least three (3) times because the tension meter is very sensitive to external vibrations.

7.2.2.2. TAPE INTERCHANGEABILITY ADJUSTMENT

Note:

To perform these adjustment/confirmation procedures, set the tracking to the neutral position.

Equipment Required:

Dual Trace Oscilloscope
VHS Alignment Tape (VFMS0003H6)
Post Adjustment Driver (VFK0329)
H-Position Adjustment Driver (VFK0330)

7.2.2.2.1. ENVELOPE OUTPUT ADJUSTMENT

The height of the P2 and P3 Posts replacement part is preadjust at the factory.

Purpose:

To achieve a satisfactory picture and secure precise tracking.

Symptom of Misadjustment:

If the envelope is output poorly, much noise will appear in the picture. Then the tracking will lose precision and the playback picture will be distorted by any slight variation of the tracking control circuit.

Equipment Required:

Post Adjustment Driver (VFK0329)

1. **Place a jumper between TP6003 and +5 V(TP6009) on the Main C.B.A. to defeat Auto Tracking.**
2. **Eject the tape and insert it again to access the Neutral Tracking position.**
3. **Play back the alignment tape.**
4. **Connect the oscilloscope to TP3002 on the Video Signal Process Section of the Main C.B.A. Use TP6205 as a trigger.**
5. **Confirm that the RF envelope is flat enough (V1/V-max. is 0.7 or more). If not, with Post Adjustment Driver, adjust P2 and P3 post height so that the envelope waveform becomes as flat (V1/V-max. is 0.7 or more) as possible (No envelope drop). If the envelope drop appears on the left-half of the waveform, adjust P2 post height. If the envelope drop appears on the right-half of the waveform, adjust P3 post height.**

CAUTION:

Overtightening P2 and P3 posts may cause the threads to strip.

Note:

It will be possible to confirm Step 5 according to following steps.

1. **Press the Tracking Control Up or Down button on remote control. Make sure that the envelope waveform remains flat. If not, readjust**

P2 and/or P3 post heights.

Fig. M3-1

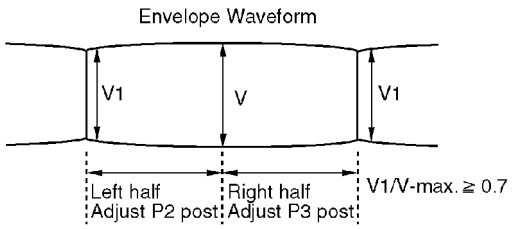
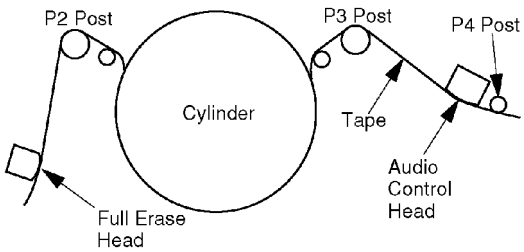
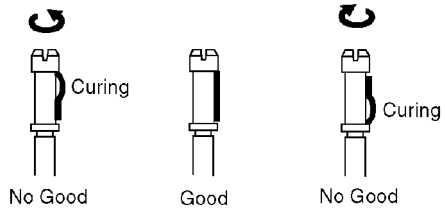


Fig. M3-2



6. After adjustment, confirm that the tape travels without curling at P2 and P3 posts.

Fig. M3-3



7. Remove the jumper after completing the adjustment procedure.

7.2.2.2.2. AUDIO CONTROL HEAD TILT ADJUSTMENT

Purpose:

To confirm that the tape runs smoothly. In particular, confirm that the tape properly picks up the Audio Signal at the upper part of the head and the Control Signal at the lower part of the head.

Symptom of Misadjustment:

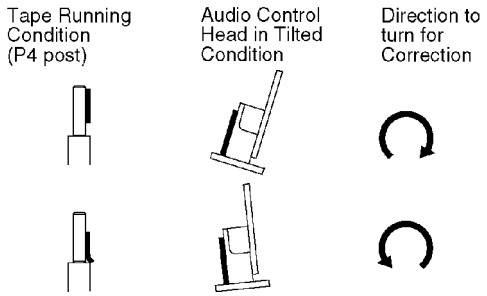
If the tilt of the Audio Control Head is poorly adjusted, the tape will eventually be damaged. An intermittent Blue screen may be seen in Playback.

1. Play back a T120 cassette tape and check that the tape travels smoothly between the upper and lower guides of the P4 post.

2. If necessary, adjust Black Screw (B) clockwise until the tape

begins to curl at the lower edge of the P4 post. Then adjust the screw counterclockwise until the curling is eliminated.

Fig. M4



7.2.2.2.3. AUDIO CONTROL HEAD HEIGHT ADJUSTMENT

The height of the Audio Control Head replacement part is preset at the factory.

Purpose:

To be sure the tape runs properly along the Control Head.

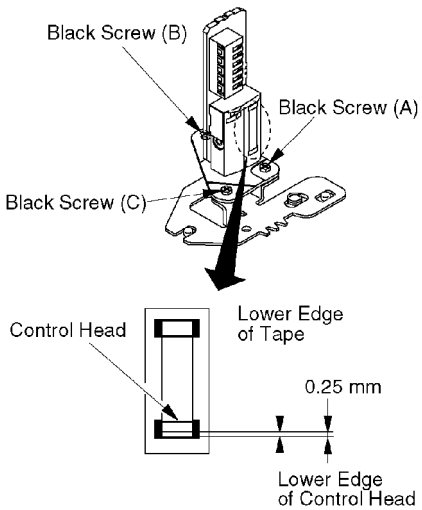
Symptom of Misadjustment:

If the control signal is not properly picked up, Servo Operation cannot be achieved. A Blue screen will be seen in Playback.

This confirmation is required when the Audio Control Head is replaced.

1. **Play back a T120 cassette tape and check that the lower edge of the tape runs approximately 0.25 mm above the lower edge of the Audio Control Head.**
2. **If necessary, adjust Black Screws (A) and (B) clockwise to lower the tape or counterclockwise to raise.**

Fig. M5



7.2.2.2.4. AUDIO CONTROL HEAD AZIMUTH ADJUSTMENT

Purpose:

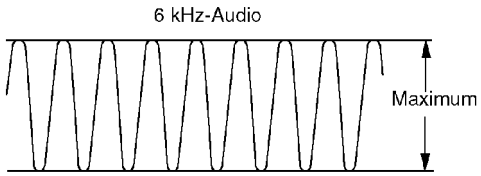
To adjust the position and height of the Audio Control Head so that it meets the tape tracks properly.

Symptom of Misadjustment:

If the position of the Audio Control Head is not properly adjusted, the Audio S/N Ratio is poor.

1. **Connect the oscilloscope to the TP4002 on the Main C.B.A.**
2. **Play back the 6 kHz Monaural Audio portion of the alignment tape.**
3. **Adjust Black Screw (C) on the Audio Control Head base so that the output level is at maximum.**

Fig. M6



4. **Confirm the height of the Audio Control Head is proper. If not, readjust Black Screws (A) and (B).**

7.2.2.2.5. AUDIO CONTROL HEAD HORIZONTAL POSITION ADJUSTMENT

Purpose:

To adjust the Horizontal Position of the Audio Control Head.

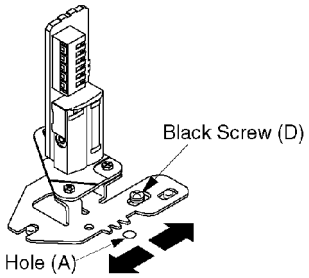
Symptom of Misadjustment:

If the Horizontal Position of the Audio Control Head is not properly adjusted, a maximum envelope cannot be obtained at the Neutral Position of the Tracking Control Circuit.

1. **Place a jumper between TP6003 and +5 V(TP6009) on the Main C.B.A. to defeat Auto Tracking.**
2. **Eject the tape and insert it again to access the Neutral Tracking position.**
3. **Play back the alignment tape.**
4. **Connect the oscilloscope to TP3002 on the Video Signal Process Section of the Main C.B.A. Use TP6205 as a trigger.**
5. **Loosen the Black Screw (D) and tighten it slightly. Set the H-Position Adjustment Driver into the Hole (A). Then slowly turn the**

fixture either clockwise or counterclockwise so that the envelope is at maximum.

Fig. M7



6. Tighten Black Screw (D).
7. Remove the jumper between TP6003 and +5 V(TP6009).

Note:

Old type of H-Position Adjustment Driver (VFK0136) can be used for this adjustment.

7.3. ELECTRICAL ADJUSTMENT

NOTE:

Following Adjustments have been preadjusted at factory and are not required.

- Purity Adjustment
- Static Central Convergence Adjustment
- Dynamic Convergence Adjustment

7.3.1. TEST EQUIPMENT

To do all of these electrical adjustments, the following equipment is required.

1. Dual-Trace Oscilloscope
   Voltage Range: 0.001 V to 50 V/Div.
   Frequency Range: DC to 50 MHz
   Probes: 10:1, 1:1
2. NTSC Video Pattern Generator
3. DVM (Digital Volt Meter)
4. MTS/SAP Signal Generator
   (TV Multi-Channel Sound Modulator (U.S.A.))
5. Plastic Tip Driver and Non-Metal Driver
6. Isolation Transformer (Variable)
7. VHS Alignment Tape (VFMS0003H6)

8. Degaussing Coil

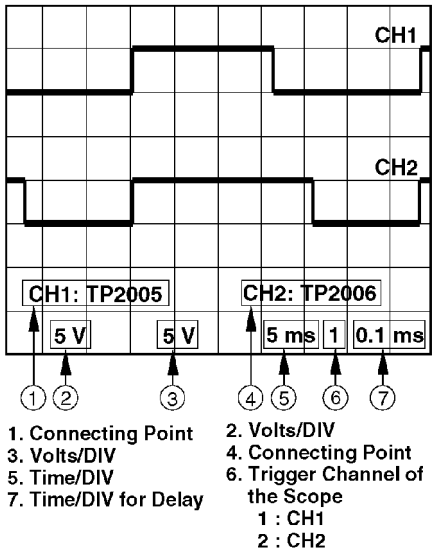
9. White Pattern Generator

10. Audio Generator

11. DVD Test Disc

7.3.2. HOW TO READ THE ADJUSTMENT PROCEDURES

Fig. E1



7.3.3. FM VCO ADJUSTMENT

Note:

Remove the DVD unit before performing this adjustment.

Purpose:

To set VCO free run frequency.

Symptom of Misadjustment:

Even when stereophony is received, only monaural sound will be output.

Test Point :

Pin 39 of P4207, TP9201 (Audio C.B.A.)

Adjustment :

R9206 (Audio C.B.A.)

Specification :

38.0 kHz±50 Hz

Input :

Mode :

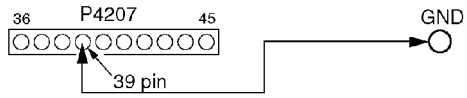
STEREO audio (FM Radio)

Equipment :

Frequency Counter

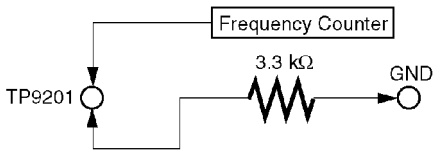
1. Connect Pin 39 of P4207 on Audio C.B.A. to GND.

Fig. E2-1



2. Connect TP9201 on Audio C.B.A. to GND through a resistor (3.3 kΩ). Then, connect Frequency Counter to TP9201.

Fig. E2-2



3. Adjust R9206 (FM VCO) so that the frequency is 38.0 kHz±50 Hz.

7.3.4. DVD LUMINANCE LEVEL ADJUSTMENT

Purpose:

To set the optimum luminance level for DVD.

Symptom of Misadjustment:

The picture is too bright or too dark.

Test Point:

TP8406 (DVD Main C.B.A.)

Adjustment:

R8044 (DVD Main C.B.A.)

Specification:

1.0 V[P-P]±0.05 V[P-P]

Input:

Mode:

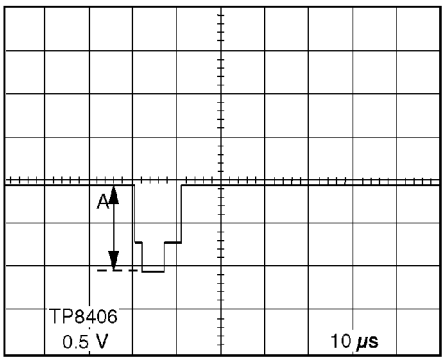
DVD PLAY

Equipment:

Oscilloscope, DVD Test Disc

1. **Playback 100% Flat Field on the DVD Test Disc in DVD PLAY Mode.**
2. **Connect the Oscilloscope to TP8406 on the DVD Main C.B.A. and GND (TP8521 on the DVD Main C.B.A.).**
3. **Adjust R8044 on the DVD Main C.B.A. so that the level A becomes 1.0 V[P-P]±0.05 V[P-P].**

Fig. E3



7.3.5. EVR (Electronic Variable Register) ADJUSTMENT WITH THE REMOTE CONTROL

This unit has electronic technology using I²C Bus concept.
The following control functions are adjusted by using "On Screen Displays" and the remote control instead of adjusting mechanical controls (VR).

Control functions	※1 Address	Range	Default
SUB COLOR	00	C0 - FF, 00 - 3F	00
SUB TINT	01	E0 - FF, 00 - 1F	00
SUB BRIGHT	02	C0 - FF, 00 - 3F	F0
CONTRAST	03	C1 - FF, 00	00
SUB SHARPNESS	04	E0 - FF, 00 - 1F	F0
R CUT -OFF	05	00 - 7F	1E
G CUT -OFF	06	00 - FD	3C
B CUT -OFF	07	00 - FD	3C
G DRIVE	08	00 - 7F	40
B DRIVE	09	00 - 7F	40
SUB CONTRAST	0A	00 - 0F	06
H-CENTER	0B	00 - 0F	08
V SIZE	0D	00 - 7F	40
V POSITION	0E	00 - 7F	02
PG SHIFTER	15	00 - FD	80
FM ANT	18	00 - 01	00/01

Bold-faced letters → Control functions which need to be adjusted.

Note:

※1 Address is not displayed on the TV screen.
Other Addresses except above are not used.

7.3.6. EVR ADJUSTMENT ITEM

The following Items need to be adjusted for EVR adjustment.

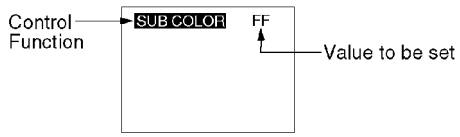
- PG SHIFTER ADJUSTMENT

- SUB CONTRAST ADJUSTMENT
- FOCUS, SCREEN, CUT OFF, DRIVE ADJUSTMENT
- SUB COLOR/SUB TINT ADJUSTMENT
- DEFLECTION DISTORTION CORRECTION ADJUSTMENT
- WHITE BALANCE ADJUSTMENT
- SUB BRIGHTNESS ADJUSTMENT

7.3.7. HOW TO ENTER EVR ADJUSTMENT MODE

Press and hold STOP/EJECT, PLAY/REPEAT and VOL- buttons of VCR operation panel on the unit together over 5 seconds with no cassette inserted.
The adjustment overlay will appear to Enter EVR adjustment mode.

Fig. E4-1

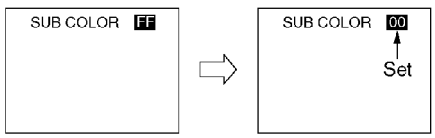


7.3.7.1. How to adjust:

1. **Press UP/DOWN ▲ ▼ key on the remote control to select control function to be adjusted.**
   Important Note:
   Make a note of the original value of the controls before modifying in case the wrong control is adjusted.

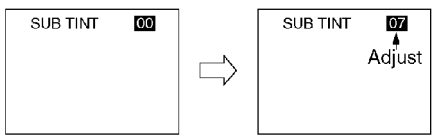
2. **Press RIGHT/LEFT ◀ ▶ key on the remote control so that the shaded area moves to the value.**

Fig. E4-2



3. **Press UP/DOWN ▲ ▼ key on the remote control to adjust the value of the selected control.**

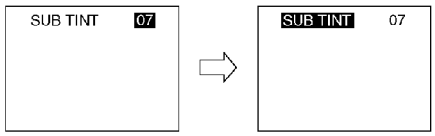
Fig. E4-3



Note:
You can select a desired channel by using the numbered keys on the remote control in EVR adjustment mode.

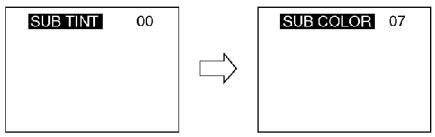
4. Press RIGHT/LEFT key on the remote control so that the shaded area moves to the control function.

Fig. E4-4



5. Press UP/DOWN key on the remote control to select a control function for the next adjustment if necessary.

Fig. E4-5



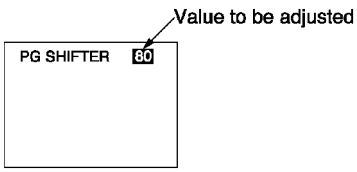
7.3.7.2. How to release from EVR Adjustment Mode:

Press and hold STOP/EJECT, PLAY/REPEAT and VOL- buttons of VCR operation panel on the unit together over 5 seconds again or press the POWER button OFF to release EVR adjustment mode. The adjusted value will be written to Memory IC (IC6004).

7.3.7.3. HOW TO ENTER EVR PG SHIFTER ADJUSTMENT MODE

1. Enter EVR adjustment mode.
2. Insert the VHS Alignment Tape and playback in SP mode. The adjustment overlay will appear.

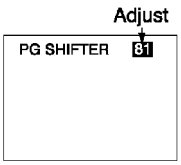
Fig. E4-6



7.3.7.3.1. How to adjust:

Press UP/DOWN key on the remote control to adjust the value.

Fig. E4-7



7.3.8. HOW TO ENTER SERVICE MODE

1. Set the unit to TV Mode.

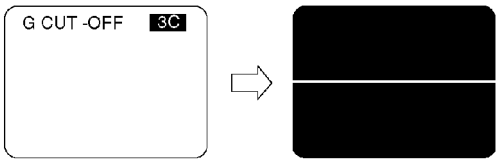
2. Enter EVR adjustment mode.

3. Press DISPLAY key on the remote control for collapse scan.

Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value for adjustments you will proceed.

Fig. E4-8



7.3.8.1. How to release from Service Mode:

Press DISPLAY key again on the remote control.

7.3.9. PG SHIFTER ADJUSTMENT

Purpose:

Determine the Video Head Switching Point during Playback.

Symptom of Misadjustment:

May cause Head Switching Noise and/or Vertical Jitter.

Test Point :

TP3001 (Main C.B.A.),
TP6205 (Main C.B.A.)

Adjustment :

PG SHIFTER (EVR)

Specification :

T = 6 H±1 H (0.38 ms±0.06 ms)

Input :

Mode :

SP Playback

Equipment :

Oscilloscope,
VHS Alignment Tape (VFMS0003H6)

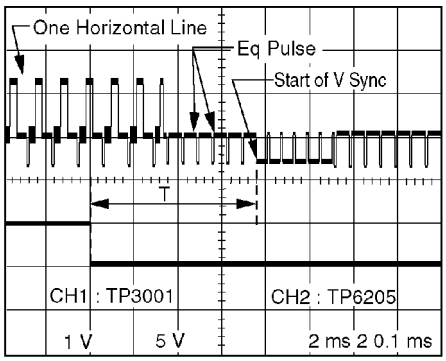
1. Insert the VHS Alignment Tape and playback in SP mode.

2. Connect the channel-1 scope probe to TP3001 and the channel-2

scope probe to TP6205. Used TP6205 as a trigger.

3. Select PG SHIFTER in EVR adjustment mode and adjust value so that the trailing edge of the head switching pulse is placed 6 H±1 H (0.38 ms±0.06 ms) before the start of the vertical sync pulse.

Fig. E5



7.3.10. SUB CONTRAST ADJUSTMENT

Purpose:

To set the optimum sub contrast level.

Symptom of Misadjustment:

The picture is too dark or too light.

Test Point :

TP49 (CRT C.B.A.)

Adjustment :

SUB CONTRAST (EVR),

Specification :

Refer to descriptions below.

Input :

Video Input Jack,
Crosshatch Pattern Signal 1 V[p-p] (75 Ω terminated)

Mode :

STOP

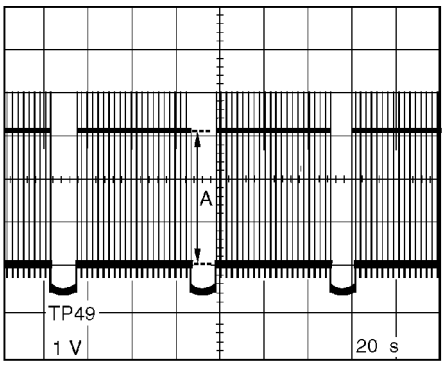
Equipment :

Oscilloscope,
NTSC Video Pattern Generator

1. Supply a Crosshatch Pattern Signal to the Video Input Jack.

2. Connect the Oscilloscope to TP49 on the CRT C.B.A.
   (Use TP47 for GND.)
3. Select SUB BRIGHT in EVR adjustment mode. Then, after making a note of the original value, adjust to the (C0).
4. Select SUB CONTRAST in EVR adjustment mode and adjust so that the level A is (3.0 V[p-p]±0.1 V[p-p]: For model with 20 inch CRT), or (3.15 V[p-p]±0.1 V[p-p]: For model with 27 inch CRT).
5. Select SUB BRIGHT in EVR adjustment mode and reset to the original value.

Fig. E6



7.3.11. FOCUS, SCREEN, CUT OFF, DRIVE ADJUSTMENT

Purpose:

To set the optimum Screen.

Symptom of Misadjustment:

The picture is will be an improper screen color mix.

Test Point :

TP50 (CRT C.B.A.)

Adjustment :

FOCUS CONTROL
(Flyback Transformer),
SCREEN CONTROL (Flyback Transformer),
SUB BRIGHT (EVR),
G DRIVE (EVR),
B DRIVE (EVR),
R CUT-OFF (EVR),
G CUT-OFF (EVR),

B CUT-OFF (EVR)

Specification :

Refer to descriptions below.

Input :

Video Input Jack,
Monoscope Pattern Signal

Mode :

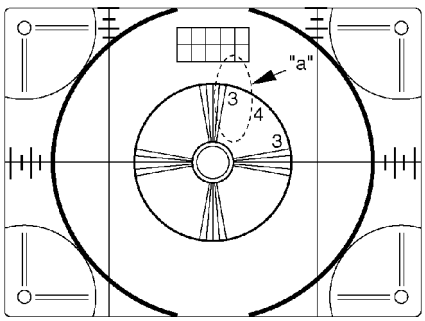
STOP

Equipment :

Oscilloscope,
NTSC Video Pattern Generator

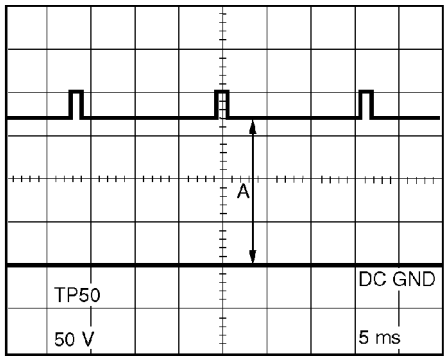
1. **Supply a Monoscope Pattern Signal to the Video Input Jack.**
2. **Connect the Oscilloscope to TP50 on the CRT C.B.A. (Use TP47 for GND.)**
3. **Select SUB BRIGHT and move the shaded area to the value in EVR adjustment mode.**
4. **Adjust the FOCUS CONTROL on the Flyback Transformer so that the "a" is the sharpest.**

Fig. E7-1



5. **Turn the SCREEN CONTROL on the Flyback Transformer fully counterclockwise.**
6. **Press DISPLAY key on the remote control for collapse scan. (Refer to "HOW TO ENTER SERVICE MODE.")**
7. **Adjust SUB BRIGHT in EVR adjustment mode so that the level A is (170 VDC±5 VDC: For model with 20 inch CRT), or (185 VDC±5 VDC : For model with 27 inch CRT).**

Fig. E7-2



8. Turn the SCREEN CONTROL on the Flyback Transformer clockwise carefully and stop at the point where any color is first observed.
9. In EVR adjustment mode, select the two colors not observed in step 8 from the following control functions (R CUT-OFF, G CUT-OFF, B CUT-OFF) and adjust so that the horizontal line becomes white.
   For example, if the horizontal line appeared red in step 8, select and adjust the B CUT-OFF and G CUT-OFF. (See NOTE)
10. Press DISPLAY key on the remote control again to return for full frame scan.
11. Select SUB BRIGHT in EVR adjustment mode and adjust so that the picture has adequate brightness.
12. Select G DRIVE and B DRIVE in EVR adjustment mode and adjust so that the entire screen is white.

Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value.

7.3.12. SUB COLOR/SUB TINT ADJUSTMENT

Purpose :

To set the standard color phase.

Symptom of Misadjustment :

Color phase will be shifted.

Test Point :

TP49 (CRT C.B.A.)

Adjustment :

SUB COLOR (EVR),
SUB TINT (EVR),

Specification :

Refer to descriptions below.

Input :

Video Input Jack,
Rainbow Color Bar

Mode :

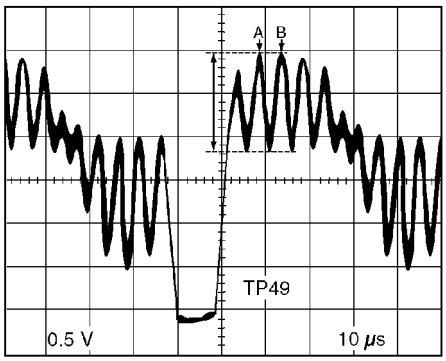
STOP

Equipment :

Oscilloscope,
NTSC Video Pattern Generator

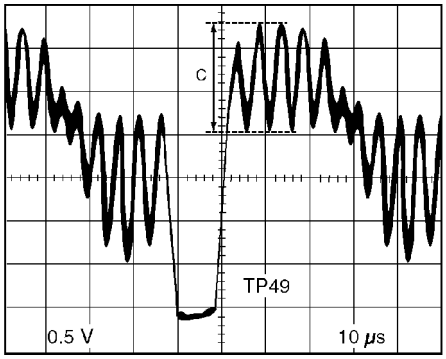
1. **Supply the Rainbow Color Bar signal to Video Input Jack.**
2. **Connect the Oscilloscope to TP49 on the CRT C.B.A.**
3. **Select SUB BRIGHT in EVR adjustment mode. Then, after making a note of original value, adjust to the (C0).**
4. **Select SUB TINT in EVR adjustment mode and adjust so that level A and B should be equal in amplitude.**

Fig. E8-1



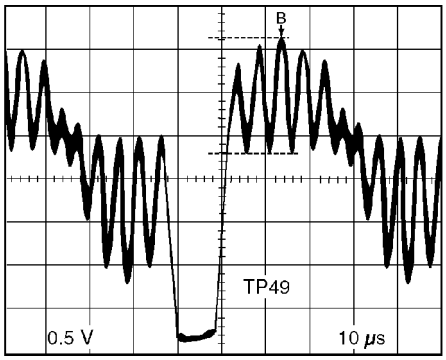
5. **Select SUB COLOR in EVR adjustment mode and adjust which higher level that level C is 1.5 V[p-p]±0.15 V[p-p].**

Fig. E8-2



6. Select SUB TINT in EVR adjustment mode and increase level B 1 clicks above the same level.

Fig. E8-3



7. Select SUB BRIGHT in EVR adjustment mode and reset to the original value.

7.3.13. DEFLECTION DISTORTION CORRECTION ADJUSTMENT

Purpose :

To set the optimum picture.

Symptom of Misadjustment :

The picture is distortion.

Test Point :

Adjustment :

V POSITION (EVR),
V SIZE (EVR),
H-CENTER (EVR),
(For model with Flat 27 inch CRT)
R763 (Deflection C.B.A.),
R753 (Deflection C.B.A.),
R766 (Deflection C.B.A.)

Specification :

Refer to descriptions below.

Input :

Video Input Jack,
Crosshatch Pattern Signal,
Monoscope Pattern Signal

Mode :

STOP

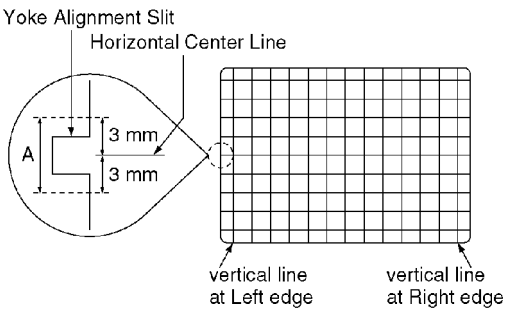
Equipment :

NTSC Video Pattern Generator

1. Supply a Crosshatch Pattern Signal to the Video Input Jack.

2. Confirm that the Horizontal Center Line is within the limits of A.

Fig. E9-1



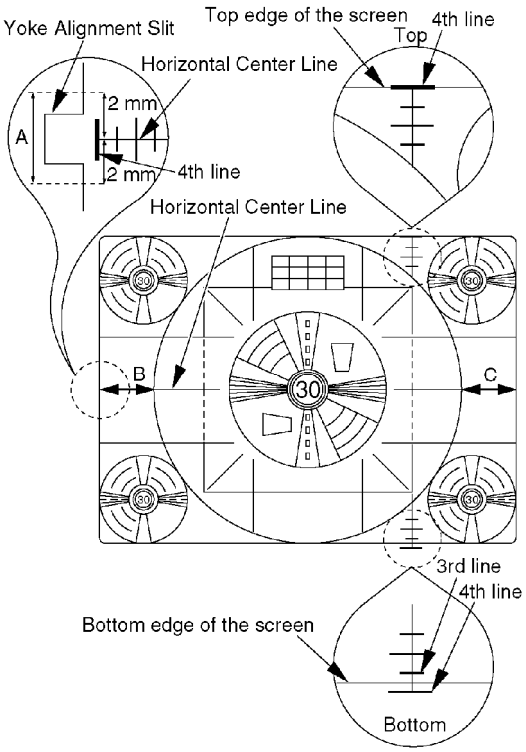
3. (For model with Flat 27 inch CRT)
Adjust R763 so that vertical lines should be almost straight.

4. (For model with Flat 27 inch CRT)
Adjust R753 so that vertical lines at Left edge and Right edge should be almost straight.

5. Supply a Monoscope Pattern Signal to the Video Input Jack.

6. Select V POSITION in EVR adjustment mode and adjust Horizontal Center Line is within the limits of A.

Fig. E9-2



7. Select V SIZE in EVR adjustment mode and adjust so that the top 4th line is just in view.

8. Select H-CENTER in EVR adjustment menu and adjust so that B is approximately equal to width C.

9. (For model with Flat 27 inch CRT)
Adjust R766 so that the left 4th line is just in view.

10. Supply a Crosshatch Pattern Signal to the Video Input Jack.
Then, confirm that the picture is no distortion.

7.3.14. WHITE BALANCE ADJUSTMENT

Purpose:
To set the standard white level for each color temperature.

Symptom of Misadjustment :
White becomes bluish or reddish.

Test Point :
TP50 (CRT C.B.A)

Adjustment :
FOCUS CONTROL
(Flyback Transformer),

SCREEN CONTROL (Flyback Transformer),
SUB BRIGHT (EVR),
G DRIVE (EVR),
B DRIVE (EVR),
R CUT-OFF (EVR),
G CUT-OFF (EVR),
B CUT-OFF (EVR)

Specification :

Refer to descriptions below.

Input :

Video Input Jack,
Monoscope Pattern Signal,
White Pattern Signal

Mode :

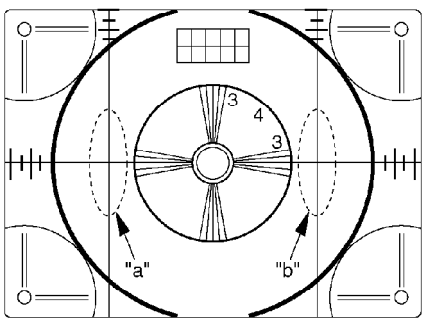
STOP

Equipment :

NTSC Video Pattern Generator,
White Pattern Generator,
Oscilloscope

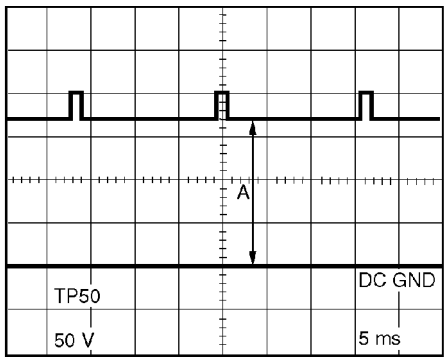
1. **Supply a Monoscope Pattern Signal to the Video Input Jack.**
2. **Connect the Oscilloscope to TP50 on the CRT C.B.A. (Use TP47 for GND.)**
3. **Select SUB BRIGHT and move the shaded area to the value in EVR adjustment mode.**
4. **Adjust the FOCUS CONTROL on the Flyback Transformer so that the "a" and "b" are the sharpest.**

Fig. E10-1



5. **Turn the SCREEN CONTROL on Flyback Transformer fully counterclockwise.**
6. **Press DISPLAY key on the remote control for collapse scan. (Refer to "HOW TO ENTER SERVICE MODE.")**
7. **Adjust SUB BRIGHT in EVR adjustment mode so that the level A is 175 VDC±5 VDC.**

Fig. E10-2



8. **Turn the SCREEN CONTROL on the Flyback Transformer clockwise carefully and stop at the point where red or blue is first observed.**
9. **In EVR adjustment mode, select the two colors not observed in step 8 from the following control functions (R CUT-OFF, G CUT-OFF, B CUT-OFF) and adjust so that the horizontal line becomes white.**
   For example, if the horizontal line appeared red in step 8, select and adjust the B CUT-OFF and G CUT-OFF. (See NOTE)
10. **Supply a White Pattern Signal to the Video Input Jack.**
11. **Press DISPLAY key on the remote control again to return for full frame scan.**
12. **Select G DRIVE and B DRIVE in EVR adjustment mode and adjust so that the entire screen is white.**
13. **Confirm that the screen is tracking the White Pattern properly. If NG, repeat the above steps 8, 9 and 12 until the screen is properly tracking the White Pattern.**
14. **Select SUB BRIGHT in EVR adjustment mode and adjust correctly.**

Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value.

7.3.15. SUB BRIGHTNESS ADJUSTMENT

Note:

Perform this adjustment in a darkened room.

Purpose :

To set the optimum brightness level.

Symptom of Misadjustment :

The picture is too white or too black.

Test Point :

Adjustment :

SUB BRIGHT (EVR),

Specification :

Refer to descriptions below.

Input :

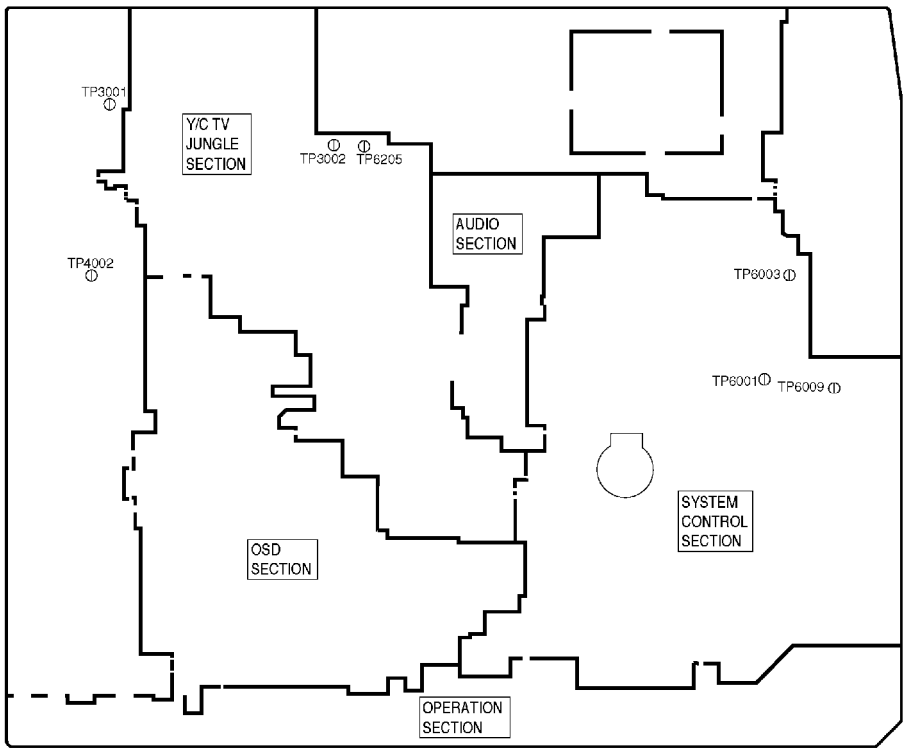
Mode :

STOP

1. **Do not input any signal to the unit.**
2. **Set INPUT SELECT item to LINE in SET UP TV menu to display black screen.**
3. **Select SUB BRIGHT in EVR adjustment mode, and adjust so that the black screen starts to turn gray (lighting only).**

7.4. TEST POINTS AND CONTROL LOCATION

Main C.B.A.



(Component Side)

FUNCTION OF IMPORTANT TEST POINTS	
TP3001	Video Signal
TP3002	REC/PB Video envelope signal
TP4002	Normal Audio signal
TP6001	Service Test Point (inhibit sensors)
TP6003	Defeat Auto tracking function (connect to +5V(TP6009))
TP6009	+5V
TP6205	Head SW.

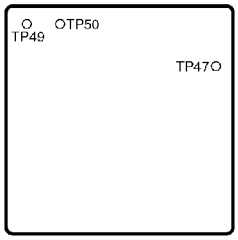
Test Point Information

● Test Point with a Test Pin.

⦶ Test Point with a jumper wire across a hole in the P.C.B.

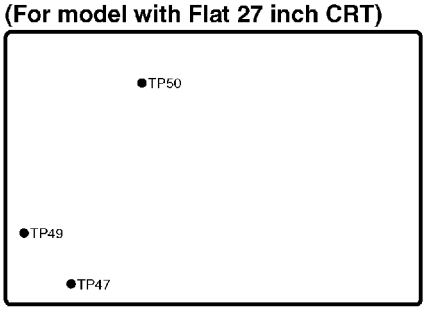
○ Test Point with no Test Pin.

CRT C.B.A.



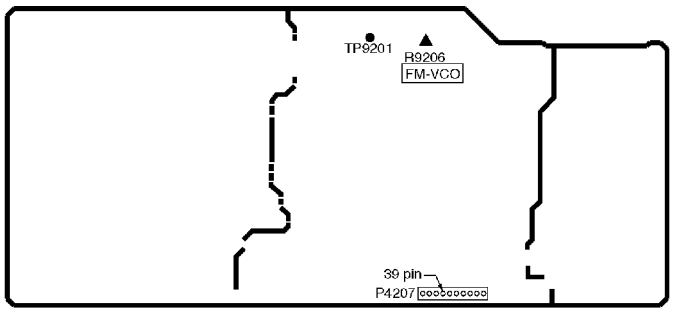
(Foil Side)

CRT C.B.A.
(For model with Flat 27 inch CRT)



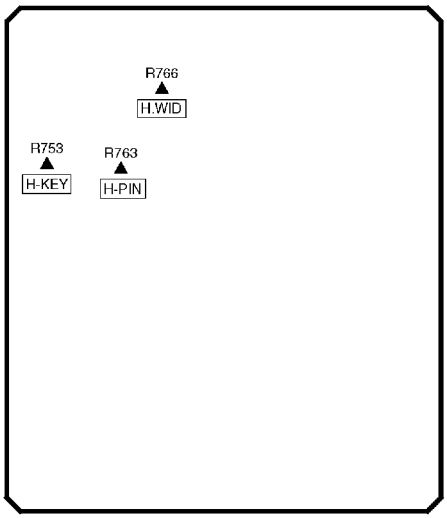
(Foil Side)

Audio C.B.A.



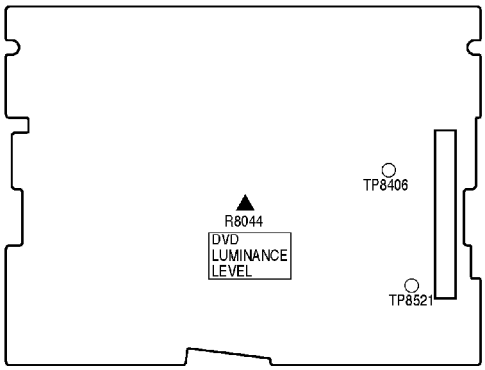
(Foil Side)

Deflection C.B.A.
(For model with Flat 27 inch CRT)



(Foil Side)

DVD Main C.B.A.



(Component Side)

8. SCHEMATIC DIAGRAMS

8.1. SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES

8.2. MAIN SCHEMATIC DIAGRAMS

8.3. AUDIO SCHEMATIC DIAGRAMS

8.4. HI-FI AUDIO/VIDEO HEAD AMP SCHEMATIC DIAGRAM

8.5. TV MAIN SCHEMATIC DIAGRAMS

8.6. DEFLECTION SCHEMATIC DIAGRAM

8.7. POWER SUPPLY SCHEMATIC DIAGRAMS

8.8. OPERATION SCHEMATIC DIAGRAM

8.9. CRT SCHEMATIC DIAGRAM (Models:PV-DF2003-K/PV-DM2793-K)

8.10. CRT SCHEMATIC DIAGRAM (Model:PV-DF2703-K)

8.11. DVD MAIN SCHEMATIC DIAGRAMS

8.12. DVD SUB SCHEMATIC DIAGRAM

8.13. INTERCONNECTION SCHEMATIC DIAGRAM

8.14. VOLTAGE CHART

9. CIRCUIT BOARD LAYOUT

9.1. MAIN C.B.A.

9.2. AUDIO C.B.A. /OPERATION C.B.A.

9.3. TV MAIN C.B.A.

9.4. POWER SUPPLY C.B.A.

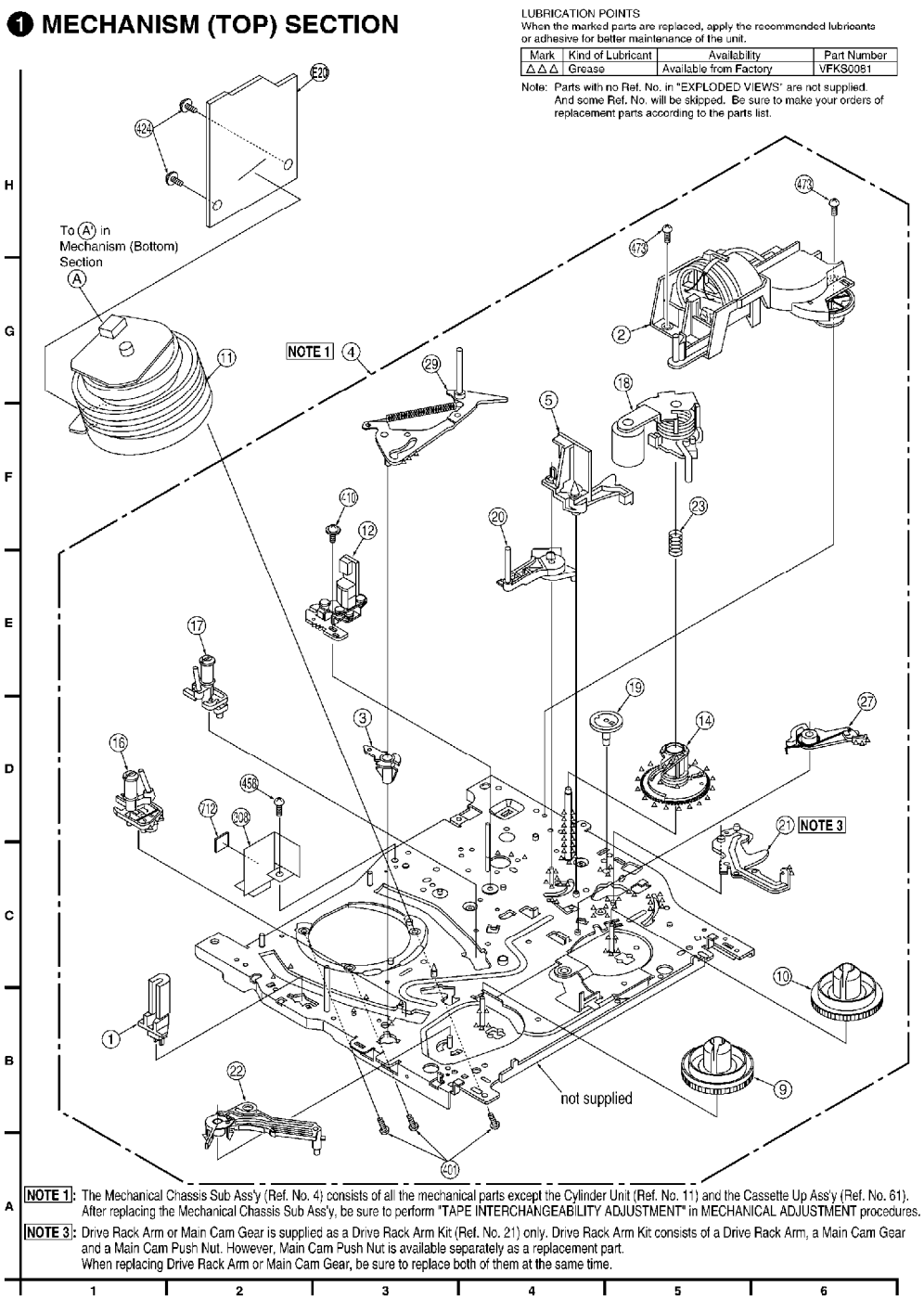
9.5. HI-FI AUDIO/VIDEO HEAD AMP C.B.A. /DEFLECTION C.B.A. / CRT C.B.A.

9.6. DVD MAIN C.B.A. /DVD SUB C.B.A.

10. BLOCK DIAGRAMS

11. EXPLODED VIEWS (Model: PV-DF2003-K)

11.1. MECHANISM (TOP) SECTION

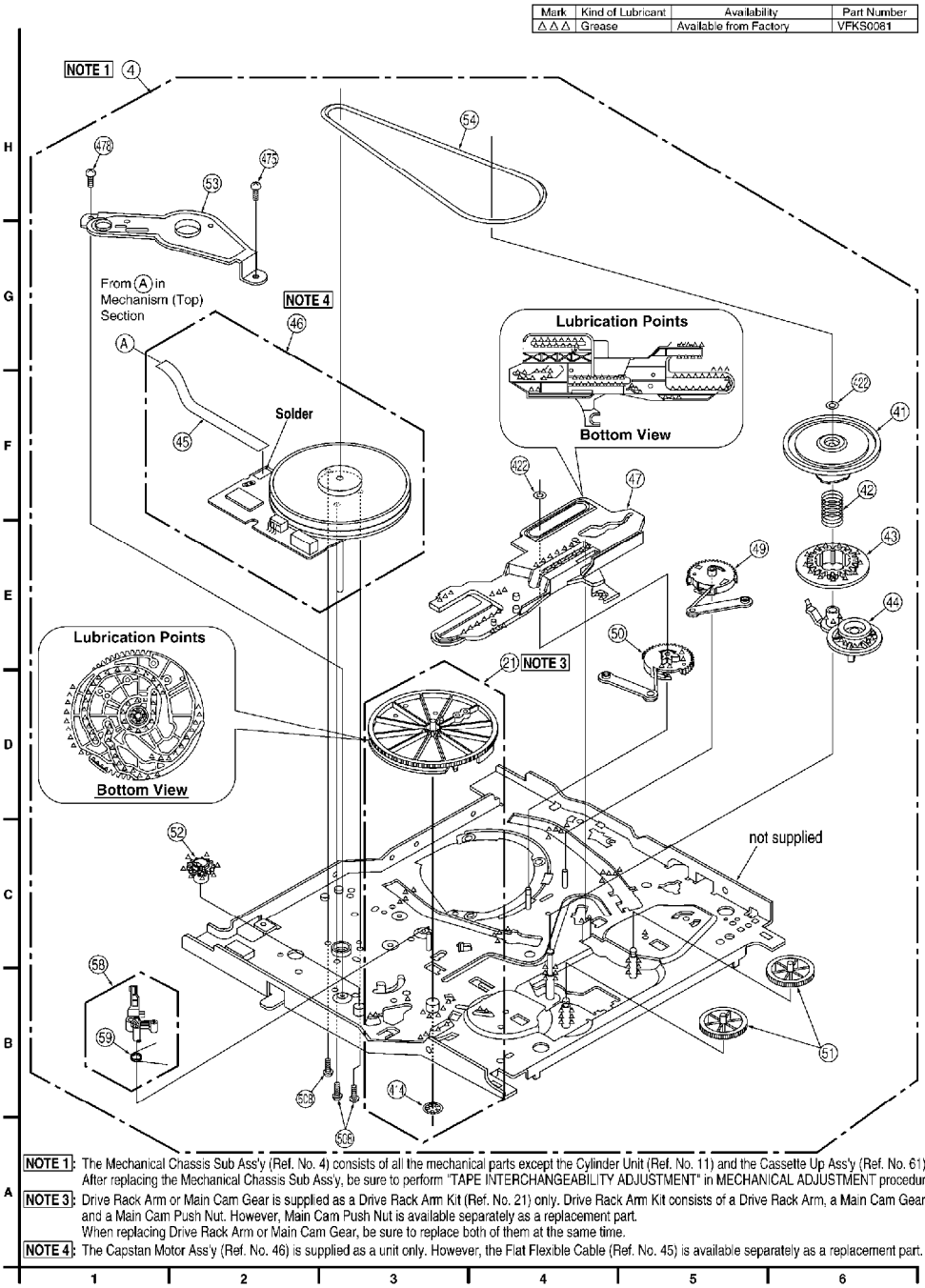

1 MECHANISM (TOP) SECTION
LUBRICATION POINTS
When the marked parts are replaced, apply the recommended lubricants or adhesive for better maintenance of the unit.
Mark | Kind of Lubricant | Availability | Part Number
△△△ | Grease | Available from Factory | VFKS0081
Note: Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
To Ⓐ in Mechanism (Bottom) Section
NOTE 1
NOTE 3
not supplied
NOTE 1: The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61). After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.
NOTE 3: Drive Rack Arm or Main Cam Gear is supplied as a Drive Rack Arm Kit (Ref. No. 21) only. Drive Rack Arm Kit consists of a Drive Rack Arm, a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part. When replacing Drive Rack Arm or Main Cam Gear, be sure to replace both of them at the same time.

11.2. MECHANISM (BOTTOM) SECTION

❷ MECHANISM (BOTTOM) SECTION

LUBRICATION POINTS
When the marked parts are replaced, apply the recommended lubricants or adhesive for better maintenance of the unit.

Mark	Kind of Lubricant	Availability	Part Number
△△△	Grease	Available from Factory	VFKS0081

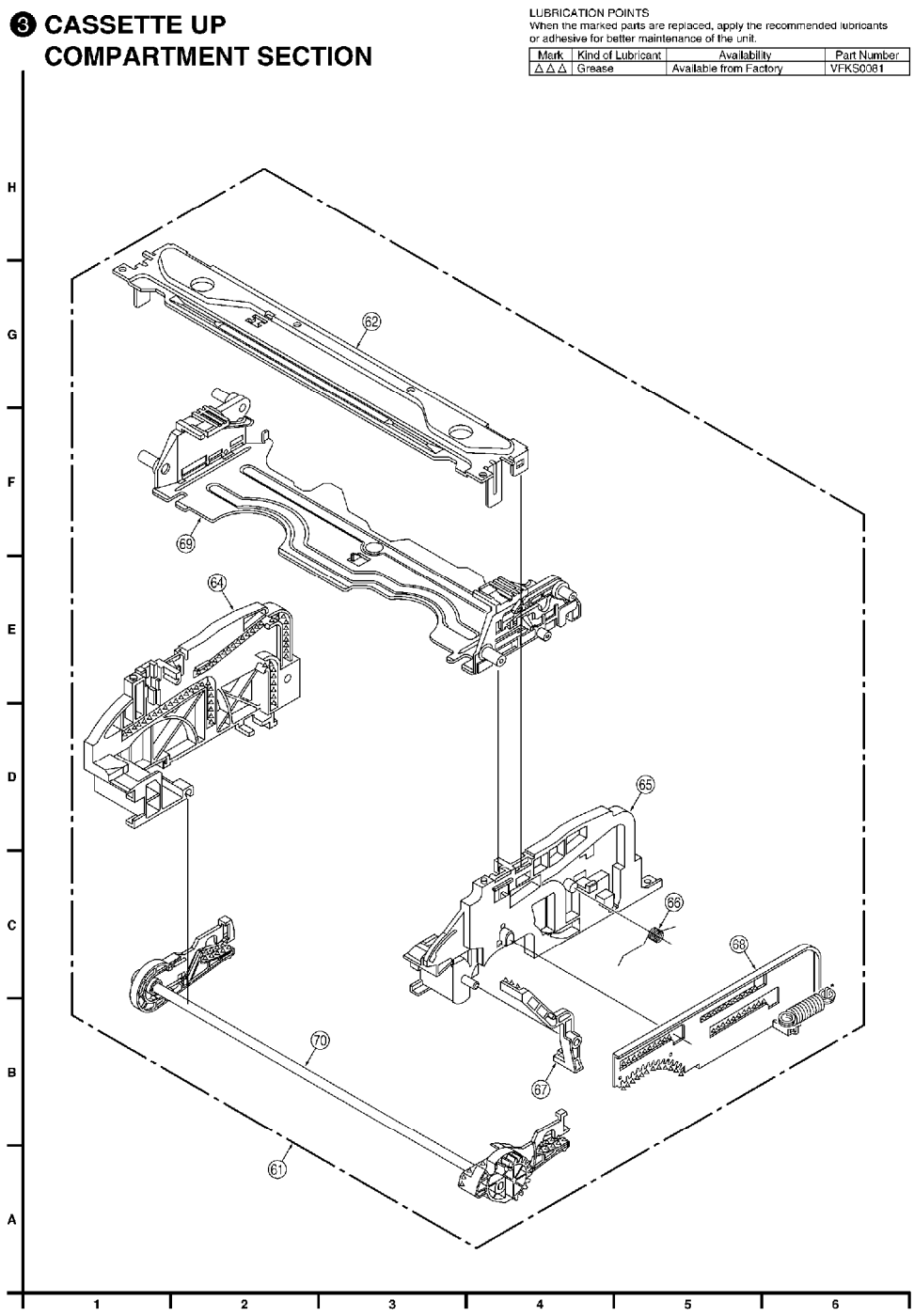


NOTE 1: The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61). After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.

NOTE 3: Drive Rack Arm or Main Cam Gear is supplied as a Drive Rack Arm Kit (Ref. No. 21) only. Drive Rack Arm Kit consists of a Drive Rack Arm, a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part.
When replacing Drive Rack Arm or Main Cam Gear, be sure to replace both of them at the same time.

NOTE 4: The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is available separately as a replacement part.

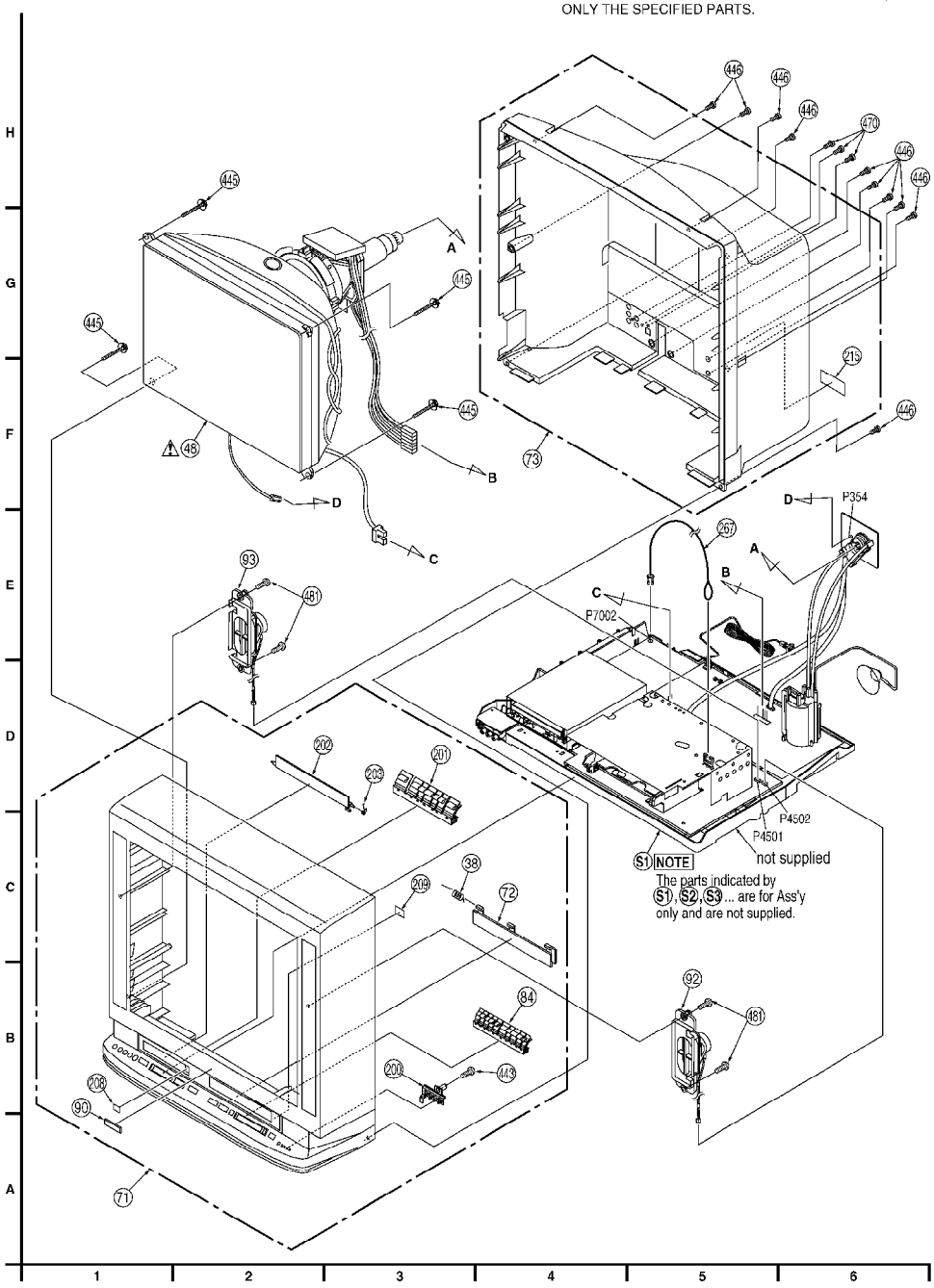
11.3. CASSETTE UP COMPARTMENT SECTION



11.4. CHASSIS FRAME SECTION (1)

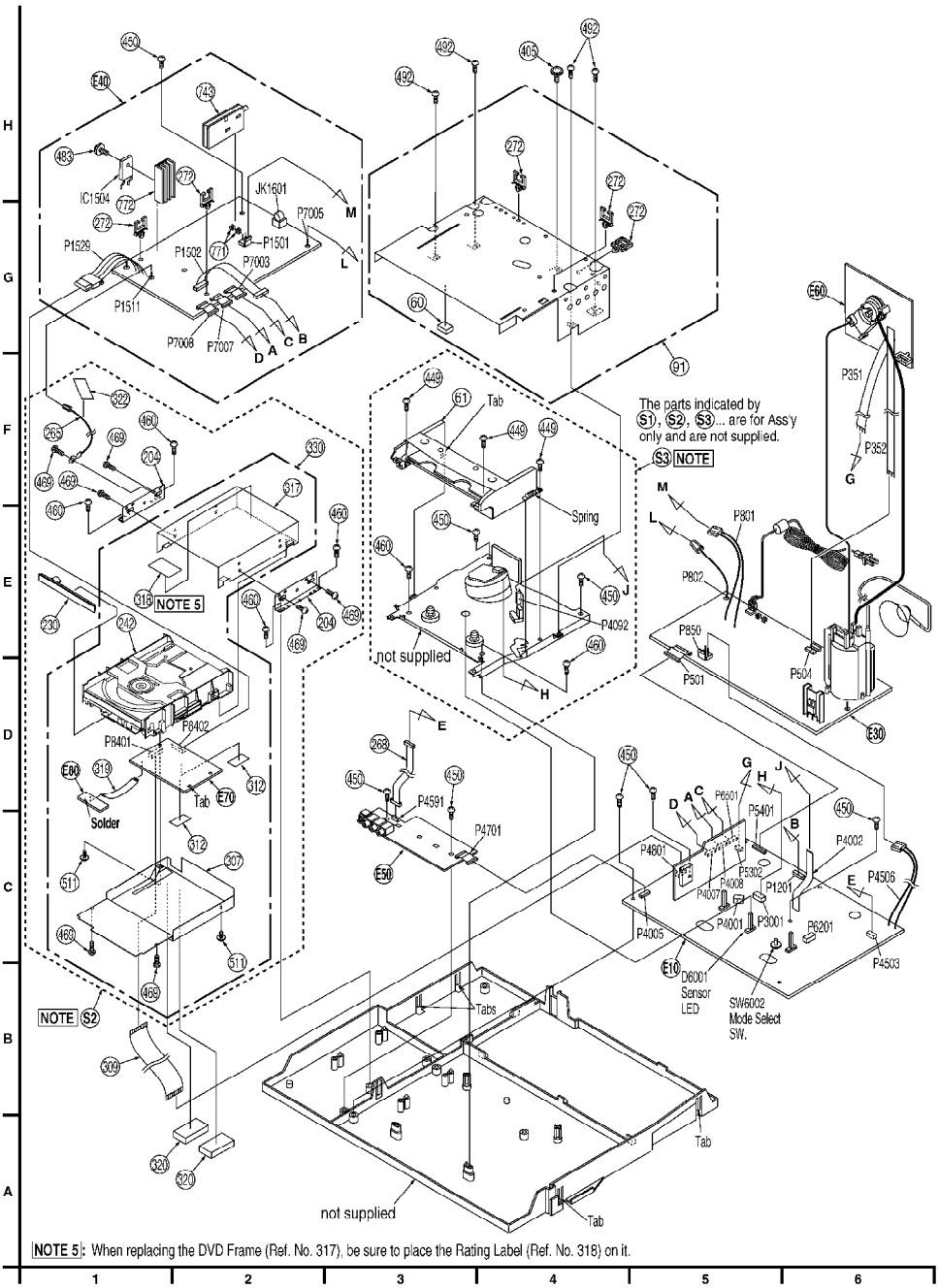
❹ CHASSIS FRAME SECTION (1)

IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.



11.5. CHASSIS FRAME SECTION (2)

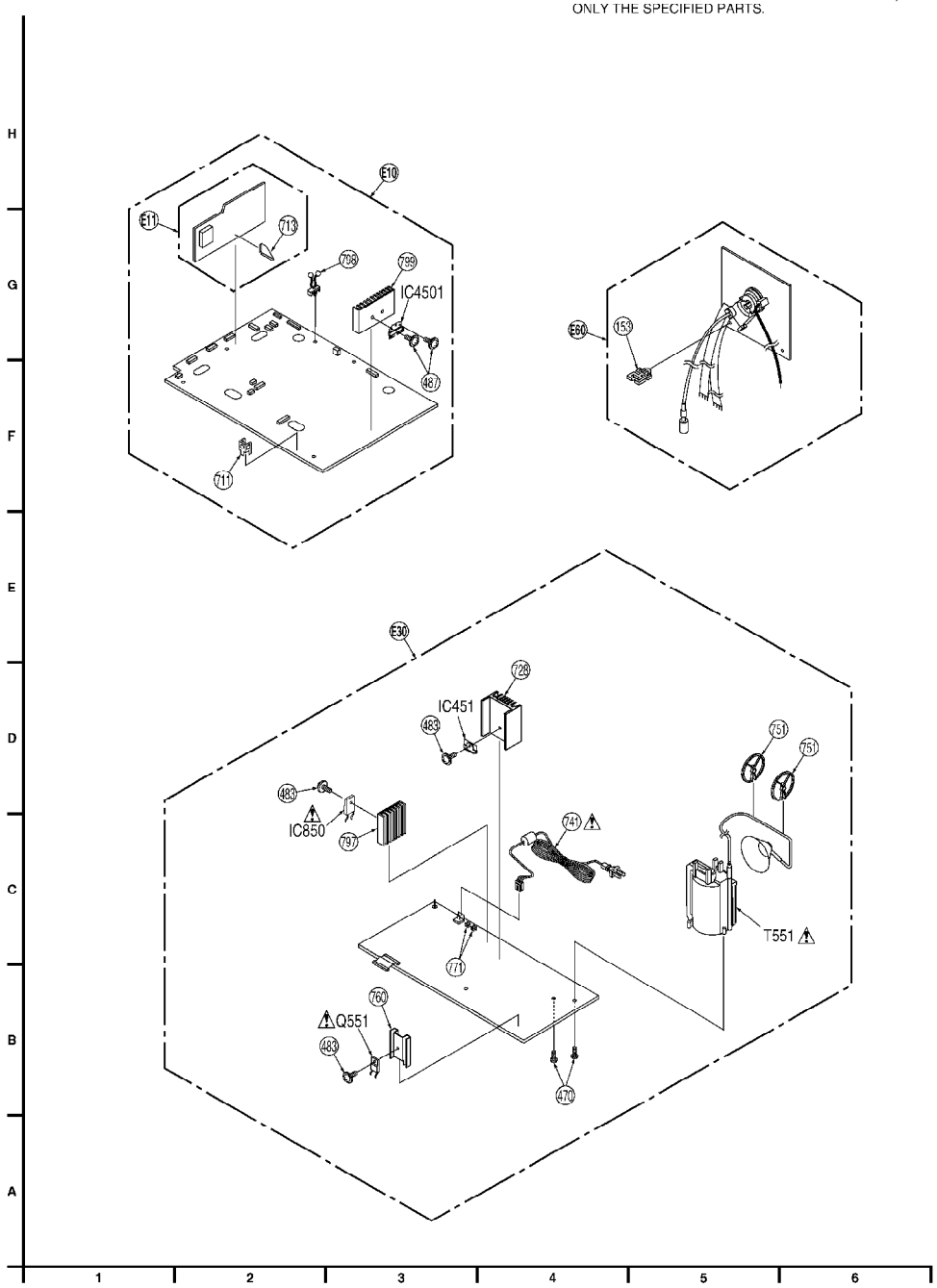
❺ CHASSIS FRAME SECTION (2)


The parts indicated by (S1), (S2), (S3)... are for Ass'y only and are not supplied.
(S3) NOTE
not supplied
Spring
Tab
Solder
Tabs
D8001 Sensor LED
SW6002 Mode Select SW.
NOTE 5: When replacing the DVD Frame (Ref. No. 317), be sure to place the Rating Label (Ref. No. 318) on it.

11.6. CHASSIS FRAME SECTION (3)

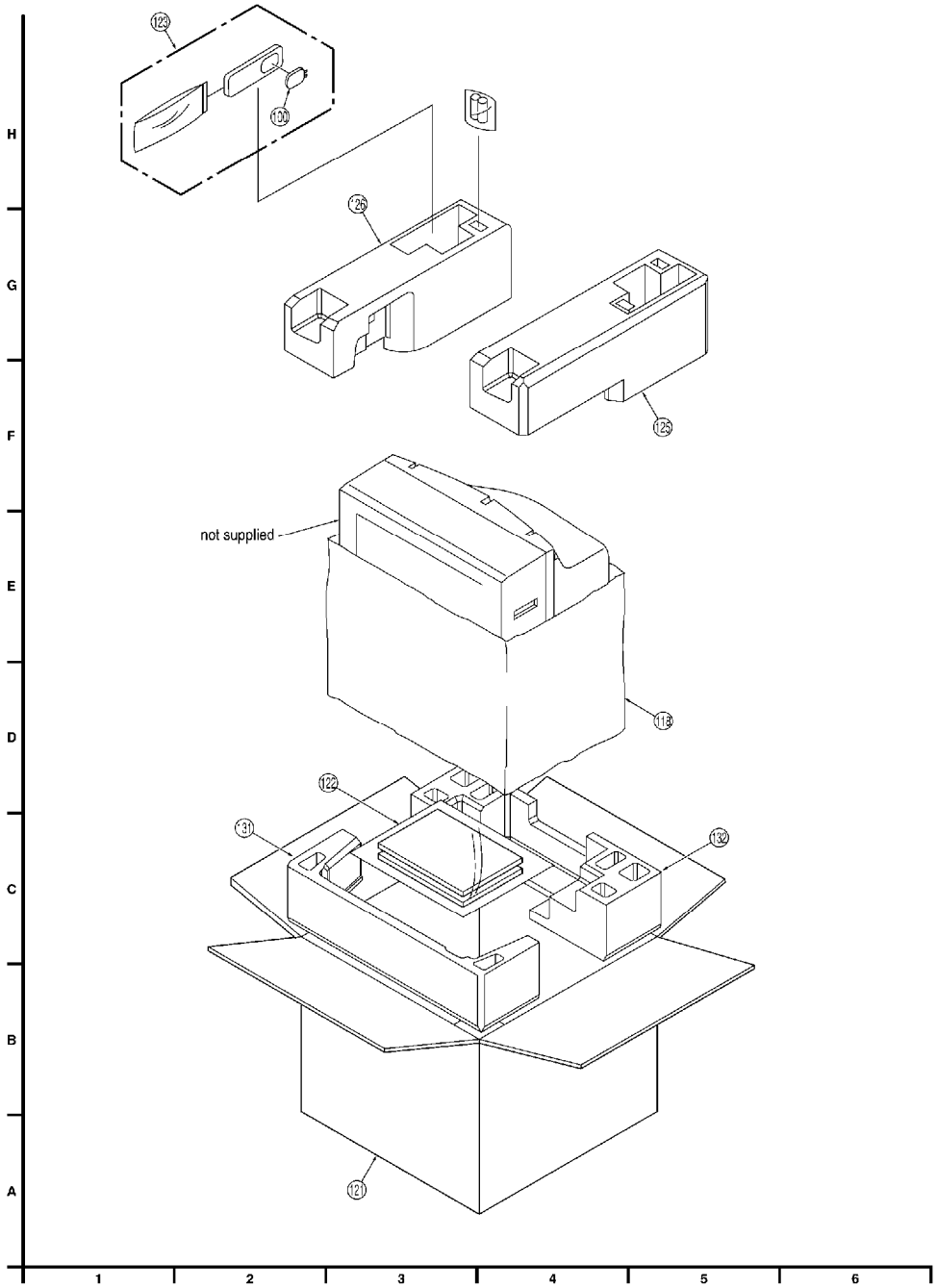
❻ CHASSIS FRAME SECTION (3)

IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.



11.7. PACKING PARTS AND ACCESORIES SECTION

❼ PACKING PARTS AND ACCESORIES SECTION



12. REPLACEMENT PARTS LISTS (Model: PV-DF2003-K)

BEFORE REPLACING PARTS, READ THE FOLLOWING:

12.1. REPLACEMENT NOTES

12.1.1. General Notes

1. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list.

2. **IMPORTANT SAFETY NOTICE**
   Components identified by the sign ⚠ have special characteristics important for safety. When replacing any of these components, use only the specified parts.
3. **SPECIAL NOTE**
   All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.
4. **Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.**
5. **Parts different in shape or size may be used. However, only interchangeable parts will be supplied as service replacement parts.**
6. **Definition of Parts supplier:**
   A. Parts with mark "MKE" in the Remarks column are supplied from MKE.
   B. Parts with mark "SPC" in the Remarks column are supplied from Spare Parts Center of Panasonic AVC Company.
   C. Parts without mark in the Remarks column are supplied from MKI.
7. **Item numbers with capital letter E (Example: E10, E20,...) in the Ref. No. column are shown in the exploded views.**
8. **Parts whose Ref. Nos. are the same are interchangeable as replacement parts. Any of these parts may be ordered and used as a replacement part.**

12.1.2. Mechanical Replacement Notes

1. **Section No. of parts shown in Exploded Views are indicated in the Remarks column.**
2. **The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the**

mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61).
After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.

3. **Drive Rack Arm or Main Cam Gear is supplied as a Drive Rack Arm Kit (Ref. No. 21) only. Drive Rack Arm Kit consists of a Drive Rack Arm, a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part. When replacing Drive Rack Arm or Main Cam Gear, be sure to replace both of them at the same time.**
4. **The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is available separately as a replacement part.**
5. **The Infrared Remote Control Unit (Ref. No. 123) replacement part is available as a complete assembly unit only. Do not try to disassemble the Infrared Remote Control Unit. However, the battery cover is available separately as a replacement part.**
6. **Main Cam Push Nut (Ref. No. 414) is not reusable.**
   If removed, install a new one.

12.1.3. Electrical Replacement Notes

1. **Unless otherwise specified;**
   All resistors are in Ω, K = 1,000 Ω, M = 1,000 kΩ.
2. **Abbreviation**

RTL:
Retention Time Limited
This indicates that the retention time is limited for this item. After the discontinuation of this item in production, it will no longer be available.

NR:
Non Repairable Board Ass'y

MGF CHIP:
Metal Glaze Film Chip

C CHIP:
Ceramic Chip

COMPLX CMP:
Complex Component

W FLMPRF:
Wirewound Flameproof

C.B.A.:
Circuit Board Assembly

P.C.B.:
Printed Circuit Board

E.S.D.:
Electrostatically Sensitive Devices

3. **When replacing 0 Ω resistor, a wire can be substituted for it.**
4. **Since the UHF/VHF TUNER/TV DEMODULATOR UNIT (Ref. No. 743) has already been pre-adjusted at the factory, do not try to adjust the UHF/VHF TUNER/TV DEMODULATOR UNIT. The UHF/ VHF TUNER/TV DEMODULATOR UNIT replacement part is available as a complete assembly unit only.**
5. **EEP ROM IC (IC6004) replacement note:**
   There are 2 types of EEPROM IC (IC6004) used on the Main C.B.A. (DIP TYPE and SOP TYPE). However, these are same reliability, please refer to "MAIN C.B.A." in CIRCUIT BOARD LAYOUT.

12.2. MECHANICAL REPLACEMENT PARTS LIST

Definition of Parts supplier:

1. **Parts with mark "MKE" in the Remarks column are supplied from MKE.**
2. **Parts with mark "SPC" in the Remarks column are supplied from Spare Parts Center of Panasonic AVC Company.**
3. **Parts without mark in the Remarks column are supplied from MKI.**

MECHANICAL REPLACEMENT PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
1	VBSS0033	FULL ERASE HEAD	1
2	LSXK0109	MOTOR BLOCK UNIT	1
3	LSDB0045	TENSION ARM BOSS	1
4	LSXY0463	MECHANICAL CHASSIS SUB ASS'Y	1,2 RTL
5	LSMD0209	OPENER PIECE	1
9	LSDR0004	S REEL TABLE	1
10	LSDR0005	T REEL TABLE	1
11	LSEG0070	CYLINDER UNIT	1
12	LSEH0006	AUDIO CONTROL/ERASE HEAD UNIT	1
14	LSDG0112	LIFT GEAR	1
16	VXDS0213	LOADING POST BASE-S UNIT	1
17	VXDS0214	LOADING POST BASE-T UNIT	1
18	LSXL0079	PINCH ARM UNIT	1
19	LSDG0110	INTERMEDIATE GEAR A	1
20	LSXL0078	P5 ARM UNIT	1
21	LSVD0006	DRIVE RACK ARM KIT	1,2
22	LSXL0077	TENSION CONTROL ARM UNIT	1
23	LSMB0282	PINCH ASSIST SPRING	1
27	VXLS1130	T BRAKE UNIT	1
29	VXLS1129	TENSION ARM UNIT	1
38	LSMB0289	CASSETTE DOOR SPRING	4
41	VXPS0389	CENTER CLUTCH UNIT	2
42	VMBS1151	CHANGING GEAR SPRING	2
43	LSDG0114	CHANGING GEAR	2
44	VXLS1091	IDLER ARM UNIT	2
45	LSJW0027	FLAT FLEXIBLE CABLE W/OUT PLUG,12V DC	2
46	LSEM0078	CAPSTAN MOTOR ASS'Y	2
47	LSMM0007	MAIN ROD	2
48	LXQVB1202F3	COLOR PICTURE TUBE UNIT	4 ⚠
49	VXLS1099	S LOADING ARM UNIT	2
50	VXLS1098	T LOADING ARM UNIT	2
51	LSDG0116	REEL GEAR	2
52	LSDG0111	INTERMEDIATE GEAR B	2
53	LSMA0532	SUPPORT ANGLE	2
54	LSDV0009	CAPSTAN BELT SQUARE,ELASTOMER 2MM	2
58	LSXL0087	SS BRAKE ARM UNIT	2
59	LSMB0196	SS BRAKE SPRING	2
60	VMFS0311	CUSHION	5
61	LSXY0483	CASSETTE UP ASS'Y	3,5
62	LSMA0352	TOP PLATE	3
64	LSMD0174	SIDE PLATE L	3
65	LSMD0173	SIDE PLATE R	3
66	LSMB0218	SUPPORT SPRING	3
67	LSML0096	OPENER LEVER	3
68	VXLS1111	DRIVE RACK UNIT	3
69	LSXA0497	HOLDER UNIT	3
70	VXLS1110	WIPER ARM UNIT	3
71	LXQKY1203F3	FRONT CABINET ASS'Y	4
72	LXQKF01272F	CASSETTE DOOR-LID UNIT	4
73	LXQKV1203F3K	REAR COVER UNIT	4
84	LSGU0260	OPERATION BUTTON A	4
90	TBMA003	BADGE,ABS RESIN	4
91	LXQUS1203F3K	TOP SHIELD PLATE ASS'Y	5
92	LXQAS8270RU	SPEAKER UNIT	4

91	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Remarks
93	LXQAS7270LU	SPEAKER UNIT	4
100	VKFS2235	BATTERY COVER	7
118	LPE64005A	BAG,POLYETHYLENE	7
121	LSPG1452	PACKING CASE,PAPER	7
122	LSQF0720	FAN BAG	7
123	LSSQ0302	INFRARED REMOTE CONTROL UNIT	7
125	LSPN0328	TOP CUSHION RIGHT,STYROFOAM	7
126	LSPN0327	TOP CUSHION LEFT,STYROFOAM	7
131	LSPN0329	BOTTOM CUSHION FRONT,STYROFOAM	7
132	LSPN0330	BOTOOM CUSHION REAR,STYROFOAM	7
153	TMM7443-1	CLAMPER	6
200	LSGL0341	PANEL LIGHT	4
201	LSGU0261	OPERATION BUTTON B	4
202	LXQKF02272F	DVD DISK DOOR-LID UNIT	4
203	LSMB0170	DVD CASSETTE DOOR SPRING	4
204	LSMA0438	MOUNT PLATE,STEEL	5
208	TMK77708	CUSHION,RUBBER	4
209	VMFS0213	SHEET,NYLON+RAYON	4
215	LSQL1421	DOLBY & DTS CAUTION LABEL	4
230	LSKF0526	TRAY COVER	5
242	LSXK0118	DVD MECHANISM UNIT	5
265	VEKS9427	CONNECTOR CABLE W/PLUG,0V	5
267	VEKS5892	FM RADIO ANTENNA CORD,0V	4
268	VEKS5884	CONNECTOR CABLE W/PLUG,	5
272	TMM77412	CLAMPER	5
307	LSMA0648	SHIELD CASE	5
308	LSSC0518	A/C SHIELD PLATE	1
309	LSJW0041	FLAT FLEXIBLE CABLE W/OUT PLUG,	5
312	LMMY0030	HEAT SHEET,SI	5
317	LMMK0201	DVD FRAME	5
318	LSQL1414	RATING LABEL	5
319	LSJW0029	FLAT FLEXIBLE CABLE,	5
320	J0KD00000022	FERRITE CORE	5
322	TMK76073	SHEET,NYLON+RAYON	5
330	LSXK0105-A	DVD BLOCK	5
401	VHDS0475	SCREW,STEEL	1
405	VHDS0496	SCREW W/WASHER,STEEL	5
410	VHDS0498	SCREW W/WASHER,STEEL	1
414	VHNS0070	MAIN CAM PUSH NUT,STEEL	2
422	XWGV2D5G	WASHER,NYLON	2
424	XYC26+SF6J	SCREW W/WASHER,STEEL	1
443	XTV4+12A	TAPPING SCREW,STEEL	4
445	LHT60002Y	SCREW,STEEL	4
446	XTV4+16A	TAPPING SCREW,STEEL	4
449	VHDS0493	TAPPING SCREW,STEEL	5
450	VHDS0309	SCREW,STEEL	5
458	XTV3+8J	TAPPING SCREW,STEEL	1
460	XTN4+12A	TAPPING SCREW,STEEL	5
469	XSN3+6	SCREW,STEEL	5
470	XTV3+10G	TAPPING SCREW,STEEL	4,6
473	XYN26+C6	SCREW W/WASHER,STEEL	1
475	XTV26+5FJ	TAPPING SCREW,STEEL	2
478	VHDS0495	SCREW,STEEL	2
481	XTW4+Z15D	TAPPING SCREW,STEEL	4

Ref. No.	Part No.	Part Name & Description	Remarks
483	XYN3+F10S	SCREW W/WASHER,STEEL	5,6
487	XYN3+J8	SCREW W/WASHER,STEEL	6
492	VHDS0274	TAPPING SCREW,STEEL	5
508	XTB26+6J	TAPPING SCREW,STEEL	2
511	XYC26+CF8	SCREW W/WASHER,STEEL	5
711	PNA4611M00HC	INFRARED RECEIVER UNIT	6
712	VMTS0035	CUSHION,RUBBER	1
713	VMAS1912	P.C.B. SUPPORT ANGLE	6
728	LUS63008A	HEAT SINK	6
741	LSJA03492017	AC CORD W/PLUG,120V	6 ⚠
743	ENG36715G	TUNER,UHF/VHF NR	5
751	LML69001A	ANODE LEAD CLAMPER	6
760	TUC77628	HEAT SINK	6
771	EYF52BC	FUSE HOLDER	5,6
772	LSSC0408	HEAT SINK	5
797	LSSC0529	HEAT SINK	6
798	TMM7464-1R	CLAMPER	6
799	LSSC0584	AMP HEAT SINK	6
E10	LSEP2073B	MAIN C.B.A.	5,6 RTL
E11	LSEP2076B	AUDIO C.B.A.	6 RTL
E20	LSEP2010A	Hi-Fi AUDIO/VIDEO HEAD AMP C.B.A.	1 RTL
E30	LSEP2074B	TV MAIN C.B.A.	5,6 RTL
E40	LSEP2078A	POWER SUPPLY C.B.A.	5 RTL
E50	LSEP2077A	OPERATION C.B.A.	5 RTL
E60	LRP63022R	CRT C.B.A.	5,6 RTL
E70	LSEP2091F1	DVD MAIN C.B.A.	5 RTL
E80	LSEP2014A	DVD SUB C.B.A.	5 RTL

SERVICE FIXTURES AND TOOLS

Ref. No.	Part No.	Part Name & Description	Remarks
	VFMS0003H6	VHS ALIGNMENT TAPE	MKE
	VFKS0081	GREASE	MKE
	VFK0329	POST ADJUSTMENT DRIVER	MKE
	VFK27	HEAD CLEANING STICK	MKE
	VFK0330	H-POSITION ADJUSTMENT DRIVER	MKE
	DVDT-S01	DVD TEST DISC	SPC

12.3. ELECTRICAL REPLACEMENT PARTS LIST

Definition of Parts supplier:

1. All parts are supplied from MKI.

PRINTED CIRCUIT BOARD ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Remarks
E10	LSEP2073B	MAIN C.B.A.	E.S.D. RTL
E11	LSEP2076B	AUDIO C.B.A.	E.S.D. RTL
E20	LSEP2010A	Hi-Fi AUDIO/VIDEO HEAD AMP C.B.A.	RTL
E30	LSEP2074B	TV MAIN C.B.A.	RTL
E40	LSEP2078A	POWER SUPPLY C.B.A.	RTL
E50	LSEP2077A	OPERATION C.B.A.	RTL
E60	LRP63022R	CRT C.B.A.	RTL
E70	LSEP2091F1	DVD MAIN C.B.A.	E.S.D. RTL
E80	LSEP2014A	DVD SUB C.B.A.	RTL

12.3.1. MAIN C.B.A.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC3001	AN3479FBP-A	IC, LINEAR	
IC3201	MN3885S	IC, CCD 1H DELAY	E.S.D.
IC3303	C1AB00001682	IC, LINEAR	
IC3303	C1AB00001519	IC, LINEAR	
IC3351	C1AB00001487	IC, LINEAR	
IC4501	AN7522N	IC, LINEAR	
IC5301	AN15167A-VT	IC, LINEAR	
IC5302	C1AB00001681	IC, LINEAR	
IC5302	C1AB00000399	IC, LINEAR	
IC5302	C1AB00001518	IC, LINEAR	
IC5351	C1AB00001681	IC, LINEAR	
IC5351	C1AB00000399	IC, LINEAR	
IC5351	C1AB00001518	IC, LINEAR	
IC5361	C1AB00001682	IC, LINEAR	
IC5361	C1AB00001519	IC, LINEAR	
IC6001	MN101D06HCJ	IC, 8BIT MICROCONTROLLER	E.S.D.
IC6002	B3NAA0000049	PHOTO INTERRUPUTER	
IC6003	B3NAA0000049	PHOTO INTERRUPUTER	
IC6004	LSSK0013	IC, 2K EEP ROM	E.S.D.
IC6005	C0EBJ0000080	IC, CMOS STANDARD LOGIC	E.S.D.
IC6005	C0EBJ0000099	IC, CMOS STADNARD LOGIC	E.S.D.
IC6005	RN5VS47CA-TR	IC, CMOS STANDARD LOGIC	E.S.D.

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q3001	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q3001	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q3002	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q3002	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q3004	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q3004	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q3305	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q3305	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q4001	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q4001	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q4002	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q4003	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q4101	2SD0601ARL	TRANSISTOR SI NPN CHIP	
Q4102	UNR221200L	TRANSISTOR SI NPN CHIP	
Q4102	B1GBCFLL0002	TRANSISTOR SI NPN CHIP	
Q4103	UNR221200L	TRANSISTOR SI NPN CHIP	
Q4103	B1GBCFLL0002	TRANSISTOR SI NPN CHIP	
Q4171	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q4171	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5301	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q5301	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q5302	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5302	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5901	2SD225900A	TRANSISTOR SI NPN	
Q5902	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5902	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q6001	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q6001	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q6002	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6002	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q6003	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6003	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q6004	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q6004	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q6005	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q6005	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q6006	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6006	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q6009	VEKS5707	PHOTO SENSOR UNIT	
Q6010	VEKS5707	PHOTO SENSOR UNIT	
Q6013	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6013	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q6014	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6014	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q6302	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q6302	B1ADCF000001	TRANSISTOR SI PNP CHIP	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D4171	MA2C165001VT	DIODE SI	
D4171	B0AACK000004	DIODE SI	
D4171	1SS119	DIODE SI	
D4589	MA2C165001VT	DIODE SI	
D4589	B0AACK000004	DIODE SI	
D4589	1SS119	DIODE SI	
D4590	MA2C165001VT	DIODE SI	
D4590	B0AACK000004	DIODE SI	
D4590	1SS119	DIODE SI	
D5304	MA2C165001VT	DIODE SI	
D5304	B0AACK000004	DIODE SI	
D5304	1SS119	DIODE SI	
D5501	MAZ40620L1KT	DIODE ZENER 6.2V	⚠
D6001	VEKS5708	SENSOR LED UNIT	
D6003	MA2C165001VT	DIODE SI	
D6003	B0AACK000004	DIODE SI	
D6003	1SS119	DIODE SI	
D6005	MA2C165001VT	DIODE SI	
D6005	B0AACK000004	DIODE SI	
D6005	1SS119	DIODE SI	
D6301	B3AAA0000538	LIGHT EMITTING DIODE RED	
D6302	B3AAA0000538	LIGHT EMITTING DIODE RED	
D6303	B3ABA0000400	LIGHT EMITTING DIODE GREEN	
D6304	B3ACA0000192	LIGHT EMITTING DIODE ORANGE	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R3001	ERDS2TJ101	CARBON 1/4W 100	
R3006	ERDS2TJ101	CARBON 1/4W 100	
R3016	ERJ6GEYJ121V	MGF CHIP 1/10W 120	
R3017	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R3024	ERJ6GEYJ391V	MGF CHIP 1/10W 390	
R3025	ERJ6GEYJ125V	MGF CHIP 1/10W 1.2M	
R3026	ERJ6GEYJ474V	MGF CHIP 1/10W 470K	
R3028	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R3029	ERJ6GEYJ151V	MGF CHIP 1/10W 150	
R3032	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R3035	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R3036	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3037	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3038	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R3076	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R3077	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R3078	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R3079	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3080	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3083	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R3084	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3323	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R3328	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3343	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R3347	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	

Ref. No.	Part No.	Part Name & Description	Remarks
R3349	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R3351	ERJ6GEYJ181V	MGF CHIP 1/10W 180	
R3353	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R4001	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4002	ERJ6GEYJ334V	MGF CHIP 1/10W 330K	
R4003	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R4004	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4005	ERJ6GEYJ225V	MGF CHIP 1/10W 2.2M	
R4006	ERJ6GEYJ681V	MGF CHIP 1/10W 680	
R4007	ERJ6GEYJ821V	MGF CHIP 1/10W 820	
R4008	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R4009	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4010	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4011	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R4012	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R4014	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R4015	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R4031	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4032	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R4051	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	
R4052	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R4101	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R4102	ERJ6GEYJ154V	MGF CHIP 1/10W 150K	
R4103	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R4104	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4172	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4175	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4176	ERDS2TJ222T	CARBON 1/2W 2.2K	
R4505	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4506	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4524	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4525	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4526	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R4527	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R4528	ERJ6GEYJ683V	MGF CHIP 1/10W 68K	
R4531	ERJ6GEYJ274V	MGF CHIP 1/10W 270K	
R5301	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R5302	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5303	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R5304	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	
R5305	ERJ6GEYJ224V	MGF CHIP 1/10W 220K	
R5306	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5308	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	
R5309	ERJ6GEYJ184V	MGF CHIP 1/10W 180K	
R5311	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5312	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5313	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5314	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R5315	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R5316	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R5317	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5318	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R5321	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5324	ERJ6GEYJ101V	MGF CHIP 1/10W 100	

Ref. No.	Part No.	Part Name & Description	Remarks
R5327	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5328	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5329	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5351	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5361	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5401	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R5402	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	
R5403	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R5405	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R5406	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5407	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5501	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R5502	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	
R5503	ERDS2TJ471	CARBON 1/4W 470	
R5504	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5505	ERJ6ENF3241V	MGF CHIP 1/10W 3.24K	⚠
R5506	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5508	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R5509	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5510	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5511	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5512	ERJ6GEYJ151V	MGF CHIP 1/10W 150	
R5513	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5515	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R5604	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R5902	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5904	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R5932	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5933	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5942	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R6001	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6002	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6003	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6004	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6005	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6006	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6007	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6008	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6009	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6010	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6011	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R6012	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R6013	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6014	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6015	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6016	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6017	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6018	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6019	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6020	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6021	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6022	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R6023	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6024	ERJ6GEYJ101V	MGF CHIP 1/10W 100	

Ref. No.	Part No.	Part Name & Description	Remarks
R6026	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6027	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6028	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6029	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6030	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6031	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6032	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6035	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6040	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6041	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6042	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6043	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6044	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6045	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6046	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6047	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6049	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R6050	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6053	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6054	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6055	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6056	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6057	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6058	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6059	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6060	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6061	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6062	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6063	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6064	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6066	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6067	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6078	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6080	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R6081	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R6082	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6083	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6085	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6086	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6087	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6088	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6089	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6090	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6091	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6092	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6093	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6094	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6097	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6098	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6099	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6100	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6113	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6114	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R6115	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	

Ref. No.	Part No.	Part Name & Description	Remarks
R6116	ERDS2TJ101	CARBON 1/4W 100	
R6118	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R6119	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6120	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R6121	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6122	ERJ6GEYJ181V	MGF CHIP 1/10W 180	
R6123	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6124	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6126	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6127	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6130	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6131	ERJ6GEYJ183V	MGF CHIP 1/10W 18K	
R6132	ERJ6GEYJ391V	MGF CHIP 1/10W 390	
R6133	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6134	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6135	ERJ6GEYJ475V	MGF CHIP 1/10W 4.7M	
R6136	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R6137	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6138	ERDS2TJ560T	CARBON 1/4W 56	
R6143	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6144	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6150	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R6160	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6161	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6162	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6164	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6165	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6166	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6190	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6191	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6192	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6193	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6194	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6195	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6201	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6202	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6203	ERJ6GEYJ274V	MGF CHIP 1/10W 270K	
R6204	ERJ6GEYJ184V	MGF CHIP 1/10W 180K	
R6205	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6207	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6208	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R6209	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6210	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R6211	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6212	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R6301	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6302	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6303	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6304	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6305	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6306	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6307	ERJ6GEYJ123V	MGF CHIP 1/10W 12K	
R6308	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6309	ERJ6GEYJ123V	MGF CHIP 1/10W 12K	

Ref. No.	Part No.	Part Name & Description	Remarks
R6316	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6317	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6318	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6319	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6320	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6321	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6322	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C3002	ECJ2VC1H020C	C CHIP 50V 2P	
C3003	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3004	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3006	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3007	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C3008	ECJ2VC1H181J	C CHIP 50V 180PF	
C3009	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C3010	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3013	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C3015	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C3016	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3018	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C3019	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3020	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C3021	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3022	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C3023	ECJ2VC1H680J	C CHIP 50V 68PF	
C3024	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3025	ECJ2VB1C104K	C CHIP 16V 0.1UF	
C3026	ECJ2VB1H822K	C CHIP 50V 8200PF	
C3027	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3028	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3030	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3031	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3032	ECJ2VF1C474Z	C CHIP 16V 0.47UF	
C3034	ECJ2VC1H181J	C CHIP 50V 180PF	
C3035	ECJ2VC1H330J	C CHIP 50V 33PF	
C3036	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3037	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C3038	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3041	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3043	ECJ2VB1H392K	C CHIP 50V 3900PF	
C3044	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3045	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C3046	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3047	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C3048	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3050	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3055	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3056	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3057	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3058	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3083	ECJ2VB1H152K	C CHIP 50V 1500PF	

Ref. No.	Part No.	Part Name & Description	Remarks
C3084	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3231	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C3232	ECJ2VB1H102K	C CHIP 50V 1000PF	
C3234	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C3235	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3236	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3237	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3329	ECJ2VC1H220J	C CHIP 50V 22PF	
C3330	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3331	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3332	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3352	ECJ2VC1H220J	C CHIP 50V 22PF	
C3353	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3355	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3356	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4001	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C4002	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4003	ECJ2VB1H272K	C CHIP 50V 2700PF	
C4004	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4005	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	
C4006	ECJ2VB1H102K	C CHIP 50V 1000PF	
C4007	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	
C4008	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C4009	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4010	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C4011	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4012	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4013	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C4014	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4051	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C4102	ECQB1562JF3	POLYESTER 100V 5600PF	
C4103	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4104	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4105	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C4171	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4518	ECA1CM471B	ELECTROLYTIC 16V 470UF	
C4520	ECA1CM471B	ELECTROLYTIC 16V 470UF	
C4527	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4528	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4529	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4530	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4531	ECJ2VB1H332K	C CHIP 50V 3300PF	
C4532	ECJ2VB1H332K	C CHIP 50V 3300PF	
C5301	ECEA1CKN100	ELECTROLYTIC 16V 10UF	
C5302	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C5303	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C5305	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5306	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5307	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5308	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5310	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5311	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5312	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5351	ECJ2VF1H103Z	C CHIP 50V 0.01UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C5352	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5353	ECJ2VC1H220J	C CHIP 50V 22PF	
C5354	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5361	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5362	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5363	ECJ2VC1H220J	C CHIP 50V 22PF	
C5364	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5401	VCUSTBC224KB	C CHIP 16V 0.22UF	
C5402	ECJ2VB1H222K	C CHIP 50V 2200PF	
C5403	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C5501	ECJ2VB1E183K	C CHIP 25V 0.018UF	
C5502	ECJ2VB1H681K	C CHIP 50V 680PF	
C5505	ECA1CM221	ELECTROLYTIC 16V 220UF	
C5506	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5507	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5508	ECUV1H221JSN	C CHIP 50V 220PF	
C5510	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5511	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C5516	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C5601	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5602	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C5603	ECJ2VC1H150J	C CHIP 50V 15PF	
C5604	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5605	ECJ2VB1E153K	C CHIP 25V 0.015UF	
C5902	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C5903	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C5904	ECJ2VB1C104K	C CHIP 16V 0.1UF	
C5905	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C5906	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5932	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C6001	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
C6002	ECJ2VC1H080C	C CHIP 50V 8PF	
C6003	ECJ2VC1H100C	C CHIP 50V 10PF	
C6004	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C6006	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6009	ECEA1CKS100	ELECTROLYTIC 16V 10UF	
C6013	ECJ2VC1H101J	C CHIP 50V 100PF	
C6017	ECJ2VC1H101J	C CHIP 50V 100PF	
C6018	ECJ2VC1H101J	C CHIP 50V 100PF	
C6020	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6021	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6023	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6029	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6040	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6041	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6044	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C6050	ECJ2VC1H181J	C CHIP 50V 180PF	
C6201	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6202	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6203	ECJ2VB1H332K	C CHIP 50V 3300PF	
C6204	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6207	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6208	ECEA1CKS100	ELECTROLYTIC 16V 10UF	
C6209	ECJ2VB1H102K	C CHIP 50V 1000PF	

Ref. No.	Part No.	Part Name & Description	Remarks
C6212	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6213	ECEA0JKS331I	ELECTROLYTIC 6.3V 330UF	
C6214	ECEA0JKS220	ELECTROLYTIC 6.3V 22UF	
C6215	ECJ2VB1H272K	C CHIP 50V 2700PF	
C6216	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6220	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C6221	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6302	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6401	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6402	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6403	ECEA1HKS010	ELECTROLYTIC 50V 1UF	
C6404	ECJ2VC1H121J	C CHIP 50V 120PF	
C6406	ECEA1HKS010	ELECTROLYTIC 50V 1UF	
C6408	ECJ2VB1H222K	C CHIP 50V 2200PF	
C6410	ECJ2VB1H103K	C CHIP 50V 0.01UF	

FILTERS

Ref. No.	Part No.	Part Name & Description	Remarks
FL4051	VLFS0014	FILTER	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L3001	G0C390KA0045	COIL 39UH	
L3002	VLQSAB7D101K	COIL 100UH	
L3005	G0C330KA0045	COIL 33UH	
L3010	VLQSAB7D470K	COIL 47UH	
L3231	ELESN221KA	COIL 220UH	
L4001	ELELN153KA	COIL 15MH	
L4002	ELESN101KA	COIL 100UH	
L4004	G0C100KA0045	COIL 10UH	
L4101	ELESN471KA	COIL 470UH	
L5901	ELESN101KA	COIL 100UH	
L6201	ELEXT101KE04	COIL 100UH	
L6401	ELEXT101KE04	COIL 100UH	
L6402	J0JBC0000022	CHIP BEAD INDUCTOR	
L6403	J0JBC0000022	CHIP BEAD INDUCTOR	
L6404	J0JBC0000022	CHIP BEAD INDUCTOR	
L6405	J0JBC0000022	CHIP BEAD INDUCTOR	

CRYSTAL OSCILLATOR

Ref. No.	Part No.	Part Name & Description	Remarks
X3001	H0D357400071	CRYSTAL OSCILLATOR	
X5501	H2A503300012	CRYSTAL OSCILLATOR	
X5601	VSXS0208-A	CRYSTAL OSCILLATOR	
X6001	VSXS0784	CRYSTAL OSCILLATOR	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P1201	K1KA11A00073	CONNECTOR 11P	
P3001	K1KA15A00104	CONNECTOR 15P	
P4001	VJSS0888	FE CONNECTOR 2P	
P4002	LSJWM6N120CL	PARALLEL CONNECTOR	
P4005	K1KB19A00007	CONNECTOR RECEPTACLE 19P	
P4007	VJSS0874	CONNECTOR RECEPTACLE 11P	
P4008	VJSS0875	CONNECTOR RECEPTACLE 13P	
P4501	K1KA02A00229	CONNECTOR 2P	
P4502	K1KA02A00229	CONNECTOR 2P	
P4503	K1KA05A00177	CONNECTOR 5P	
P4506	VEKS5881	CONNECTOR CABLE W/PLUG,12V DC	
P4801	K1MN16A00060	CONNECTOR 16P	
P5302	K1MP04A00006	CONNECTOR 4P	
P5401	K1KB19A00007	CONNECTOR 19P	
P6001	K1KA05A00268	CONNECTOR 5P	
P6201	K1KA12A00234	CONNECTOR 12P	
P6501	VJSS0874	CONNECTOR RECEPTACLE 11P	

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW6001	LSSH0002	LEAF SWITCH-SAFETY TAB	
SW6002	K0N107C00002	SWITCH PUSH	
SW6301	EVQ21405R	SWITCH PUSH	
SW6302	EVQ21405R	SWITCH PUSH	
SW6303	EVQ21405R	SWITCH PUSH	
SW6304	EVQ21405R	SWITCH PUSH	
SW6305	EVQ21405R	SWITCH PUSH	
SW6306	EVQ21405R	SWITCH PUSH	
SW6307	EVQ21405R	SWITCH PUSH	
SW6308	EVQ21405R	SWITCH PUSH	
SW6309	EVQ21405R	SWITCH PUSH	
SW6310	EVQ21405R	SWITCH PUSH	
SW6311	EVQ21405R	SWITCH PUSH	
SW6312	EVQ21405R	SWITCH PUSH	
SW6313	EVQ21405R	SWITCH PUSH	

TRANSFORMER

Ref. No.	Part No.	Part Name & Description	Remarks
T4101	G2A342C00003	TRANSFORMER	

PRINTED CIRCUIT BOARD ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Remarks
E11	LSEP2076B	AUDIO C.B.A.	E.S.D. RTL

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
487	XYN3+J8	SCREW W/WASHER,STEEL	
711	PNA4611M00HC	INFRARED RECEIVER UNIT	
798	TMM7464-1R	CLAMPER	
799	LSSC0584	AMP HEAT SINK	

12.3.2. AUDIO C.B.A.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC4201	AN3663FBP-V	IC, LINEAR	
IC4601	BD3867AS	IC, LINEAR	
IC5651	C1AB00001288	IC, LOGIC	E.S.D.
IC9201	AN7420-NT	IC, LINEAR	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q4003	UNR511500L	TRANSISTOR SI PNP CHIP	
Q4003	B1GDCFJJ0025	TRANSISTOR SI PNP CHIP	
Q4005	2SD132800L	TRANSISTOR SI NPN CHIP	
Q4005	B1ABEC000006	TRANSISTOR SI NPN CHIP	
Q4006	2SD132800L	TRANSISTOR SI NPN CHIP	
Q4006	B1ABEC000006	TRANSISTOR SI NPN CHIP	
Q5651	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q5651	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q5652	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5652	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5653	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q5653	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q5655	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5655	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5656	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5656	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5657	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5657	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5658	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5658	B1ABCF000020	TRANSISTOR SI NPN CHIP	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D4210	MA2C165001VT	DIODE SI	
D4210	B0AACK000004	DIODE SI	
D4210	1SS119	DIODE SI	
D4303	MA2C165001VT	DIODE SI	
D4303	B0AACK000004	DIODE SI	
D4303	1SS119	DIODE SI	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R4201	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4202	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4203	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R4204	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R4205	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4206	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4207	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R4208	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R4209	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4210	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4211	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R4212	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R4213	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4214	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4215	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R4217	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R4218	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4219	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4224	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4225	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4226	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R4229	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4230	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4231	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R4232	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R4243	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4244	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4245	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R4246	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R4251	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R4453	ERJ6GEYJ184V	MGF CHIP 1/10W 180K	
R4601	ERJ6GEYJ105V	MGF CHIP 1/10W 1M	
R4602	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	
R4603	ERDS2TJ472	CARBON 1/4W 4.7K	
R4604	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R4605	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4606	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4607	ERDS2TJ101	CARBON 1/4W 100	
R4608	ERDS2TJ101	CARBON 1/4W 100	
R4903	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R5651	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R5652	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5653	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R5654	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R5655	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5656	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R5657	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R5659	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5660	ERJ6GEYJ821V	MGF CHIP 1/10W 820	
R5661	ERJ6GEYJ391V	MGF CHIP 1/10W 390	
R5662	ERJ6GEYJ391V	MGF CHIP 1/10W 390	
R5663	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R5665	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5666	ERJ6GEYJ561V	MGF CHIP 1/10W 560	

Ref. No.	Part No.	Part Name & Description	Remarks
R5668	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5670	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5674	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	
R5675	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R5676	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R5677	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R5678	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R5679	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R9201	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R9202	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R9203	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R9204	ERJ6GEYJ224V	MGF CHIP 1/10W 220K	
R9205	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R9206	EVMAASA00B53	VARIABLE 5K	
R9207	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R9208	ERDS2TJ392	CARBON 1/4W 3.9K	
R9209	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C4201	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4202	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4203	ECEA0JKA330I	ELECTROLYTIC 6.3V 33UF	
C4204	ECEA0JKA330I	ELECTROLYTIC 6.3V 33UF	
C4205	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4206	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4207	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4208	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4209	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4210	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4211	ECJ2VB1H153K	C CHIP 50V 0.015UF	
C4212	ECJ2VB1H153K	C CHIP 50V 0.015UF	
C4213	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4214	ECEA1CKA101I	ELECTROLYTIC 16V 100UF	
C4215	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4217	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	
C4218	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4219	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4227	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C4229	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4230	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C4239	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4240	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4451	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4452	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4455	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4456	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4458	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4459	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C4601	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4602	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4603	ECJ2VB1E683K	C CHIP 25V 0.068UF	
C4604	ECJ2VB1H102K	C CHIP 50V 1000PF	

Ref. No.	Part No.	Part Name & Description	Remarks
C4605	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4606	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4612	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4613	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4614	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4615	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4616	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C4617	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C4618	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4619	ECJ2VB1H102K	C CHIP 50V 1000PF	
C4620	ECJ2VB1E683K	C CHIP 25V 0.068UF	
C4621	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4622	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4623	ECA1CM471B	ELECTROLYTIC 16V 470UF	
C4901	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4902	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C4903	ECEA1HKA3R3I	ELECTROLYTIC 50V 3.3UF	
C4904	ECEA1HKA3R3I	ELECTROLYTIC 50V 3.3UF	
C4905	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4906	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4911	ECJ2VB1E223K	C CHIP 25V 0.022UF	
C4912	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4913	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4914	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C4915	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C4916	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4917	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4918	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4919	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4920	ECJ2VB1E223K	C CHIP 25V 0.022UF	
C5652	ECJ2VC1H100C	C CHIP 50V 10PF	
C5653	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5654	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5655	ECJ2VC1H270J	C CHIP 50V 27PF	
C5656	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C5657	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C5658	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5659	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5660	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5661	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C5662	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C5663	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5664	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5665	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5666	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	
C5668	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5669	ECJ2VC1H181J	C CHIP 50V 180PF	
C5670	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5671	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5672	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5673	ECJ2VC1H560J	C CHIP 50V 56PF	
C5674	ECJ2VC1H390J	C CHIP 50V 39PF	
C5675	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C5676	ECEA1CKA220	ELECTROLYTIC 16V 22UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C5677	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C5678	ECEA1CKS220	ELECTROLYTIC 16V 22UF	
C5680	ECJ2VC1H270J	C CHIP 50V 27PF	
C5681	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9201	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9202	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C9203	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C9204	ECQP1H102JZ3	POLYESTER 50V 1000PF	
C9205	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C9206	ECEA1HKA3R3I	ELECTROLYTIC 50V 3.3UF	
C9207	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C9208	ECJ2VB1H223K	C CHIP 50V 0.022UF	
C9209	ECJ2VB1H223K	C CHIP 50V 0.022UF	
C9210	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C9211	ECEA1HKA010	ELECTROLYTIC 50V 1UF	

FILTERS

Ref. No.	Part No.	Part Name & Description	Remarks
FL5651	LSLF0053	EMI FILTER	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L4201	ELESN101KA	COIL 100UH	
L4451	ELESN101KA	COIL 100UH	
L4601	ELEXT101KE04	COIL 100UH	
L4901	ELESN101KA	COIL 100UH	
L4902	ELESN101KA	COIL 100UH	
L5652	ELESN150KA	COIL 15UH	
L5653	LSLQF06R101K	COIL 100UH	
L5654	ELESN4R7KA	COIL 4.7UH	
L5655	ELESN101KA	COIL 100UH	
L5656	ELESN101KA	COIL 100UH	
L5657	ELESN101KA	COIL 100UH	
L5658	ELESN101KA	COIL 100UH	
L9201	ELESN101KA	COIL 100UH	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P4201	VJHS0293	PACK PIN 3P	
P4202	VJHS0294	PACK PIN 4P	
P4203	VJHS0293	PACK PIN 3P	
P4204	VJHS0297	PACK PIN 7P	
P4205	VJHS0299	PACK PIN 9P	
P4206	VJHS0299	PACK PIN 9P	
P4207	VJHS0290	PACK PIN 10P	
P4208	VJHS0294	PACK PIN 4P	
P5651	VJHS0296	PACK PIN 6P	
P5652	VJHS0295	PACK PIN 5P	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
713	VMAS1912	P.C.B. SUPPORT ANGLE	

12.3.3. Hi-Fi AUDIO/VIDEO HEAD AMP C.B.A.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC3501	AN3361SB	IC, LINEAR	
IC4401	AN3328S	IC, LINEAR	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R3501	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R3502	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3503	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3504	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3505	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3506	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R3507	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R4405	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4406	ERJ6GEYJ180V	MGF CHIP 1/10W 18	
R4407	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R4408	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R4410	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4411	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C3504	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3505	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C3506	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3507	ECJ2VB1H102K	C CHIP 50V 1000PF	
C3508	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3511	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3512	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3513	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3519	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3520	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3523	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3524	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3528	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3529	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3532	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3533	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4401	ECJ2VB1H102K	C CHIP 50V 1000PF	
C4402	ECJ2VB1H102K	C CHIP 50V 1000PF	
C4405	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4406	ECJ2VB1H472K	C CHIP 50V 4700PF	
C4408	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4409	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4411	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
C4412	ECJ2VF1H104Z	C CHIP 50V 0.1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C4413	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C4414	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L3501	G0C101KA0045	COIL 100UH	
L4401	G0C101KA0045	COIL 100UH	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P3501	K1KB15B00019	CONNECTOR 15P	

12.3.4. TV MAIN C.B.A.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC451	C1AA00000024	IC, LINEAR	
IC850	C5HABZZ00109	IC, LINEAR	⚠

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q431	2SA1309AHA	TRANSISTOR SI PNP	
Q431	B1ACCF000047	TRANSISTOR SI PNP	
Q501	B1AACN000013	TRANSISTOR SI NPN	
Q523	B1ACBM000001	TRANSISTOR SI PNP	
Q523	2SA17670QA	TRANSISTOR SI PNP	
Q523	2SB12210QA	TRANSISTOR SI PNP	
Q541	2SB0709ARL	TRANSISTOR SI PNP CHIP	
Q541	2SB1218ARL	TRANSISTOR SI PNP CHIP	
Q551	2SC5913000LK	TRANSISTOR SI NPN	⚠
Q571	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q571	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q591	2SC3311AHA	TRANSISTOR SI NPN	
Q801	2SC3311ARA	TRANSISTOR SI NPN	
Q801	2SC3311ARA	TRANSISTOR SI NPN	
Q801	2SC3311ASA	TRANSISTOR SI NPN	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D401	B0AAML000001	DIODE SI	
D401	1SR139-400	DIODE SI	
D402	MA2C165001VT	DIODE SI	
D402	B0AACK000004	DIODE SI	
D402	1SS119	DIODE SI	
D503	B0HAGP000014	DIODE SI	
D504	MAZ40470MF	DIODE ZENER 4.7V	
D504	B0BA4R600003	DIODE ZENER 4.7V	
D504	RD4.7ESAB2	DIODE ZENER 4.7V	
D505	MA2C165001VT	DIODE SI	
D505	B0AACK000004	DIODE SI	
D505	1SS119	DIODE SI	
D541	MA2C165001VT	DIODE SI	
D541	B0AACK000004	DIODE SI	
D541	1SS119	DIODE SI	
D553	B0HAGP000014	DIODE SI	
D554	MA2C16700E	DIODE SI	
D554	B0AAEL000001	DIODE SI	
D555	MAZ40680MF	DIODE ZENER 6.8V	
D555	B0BA6R600008	DIODE ZENER 6.8V	
D555	RD6.8ESAB3	DIODE ZENER 6.8V	
D555	04AZ6.8ZTPA7	DIODE ZENER 6.8V	
D558	B0HAGP000014	DIODE SI	
D591	D4DDD3R00002	THERMISTOR	⚠
D592	MA2C16700E	DIODE SI	
D592	B0AAEL000001	DIODE SI	
D801	ERZV10V361CS	SURGE ABSORBER	⚠
D801	D4EAA3610001	SURGE ABSORBER	⚠
D802	ERZV10V361CS	SURGE ABSORBER	⚠
D802	D4EAA3610001	SURGE ABSORBER	⚠
D803	MA2C16700E	DIODE SI	
D803	B0AAEL000001	DIODE SI	
D804	B0AAKT000010	DIODE SI	⚠
D804	B0EAKT000027	DIODE SI	⚠
D804	B0EAKT000030	DIODE SI	⚠
D805	B0AAKT000010	DIODE SI	⚠
D805	B0EAKT000027	DIODE SI	⚠
D805	B0EAKT000030	DIODE SI	⚠
D806	B0AAKT000010	DIODE SI	⚠
D806	B0EAKT000027	DIODE SI	⚠
D806	B0EAKT000030	DIODE SI	⚠
D807	B0AAKT000010	DIODE SI	⚠
D807	B0EAKT000027	DIODE SI	⚠
D807	B0EAKT000030	DIODE SI	⚠
D854	B0JAMD000012	DIODE SI	
D854	B0JAGE000001	DIODE SI	
D854	B0JAME000082	DIODE SI	
D856	B0HAJL000001	DIODE SI	

Ref. No.	Part No.	Part Name & Description	Remarks
D856	B0HAGP000012	DIODE SI	
D857	B0HAJL000001	DIODE SI	
D857	B0HAGP000012	DIODE SI	
D858	B0HAJL000001	DIODE SI	
D858	B0HAGP000012	DIODE SI	
D859	B0JAPG000024	DIODE SI	
D859	B0JAPG000020	DIODE SI	
D859	B0JAPG000021	DIODE SI	
D860	B0EALR000005	DIODE SI	
D860	B0HAMR000063	DIODE SI	
D861	MA2180LA	DIODE ZENER 18V	⚠
D861	B0BA01800025	DIODE ZENER 18V	⚠
D861	1N4746A-T	DIODE ZENER 18V	⚠
D861	1N4746ARL	DIODE ZENER 18V	⚠
D863	B0HAHP000014	DIODE SI	
D863	B0HAJP000007	DIODE SI	
D863	B0HAMP000061	DIODE SI	
D863	B0HAMP000069	DIODE SI	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R401	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R402	ERDS2TJ223	CARBON 1/4W 22K	
R405	ERG1SJ331P	METAL OXIDE 1W 330	
R409	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R410	ERDS2TJ392	CARBON 1/4W 3.9K	
R411	ERJ6GEYJ823V	MGF CHIP 1/10W 82K	
R413	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R414	ERDS1FJ1R2P	CARBON 1/2W 1.2	⚠
R422	ERDS2TJ331	CARBON 1/4W 330	
R427	ERDS1FJ1R5P	CARBON 1/2W 1.5	⚠
R431	ERDS2TJ821	CARBON 1/4W 820	
R432	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R433	ERJ6GEYJ183V	MGF CHIP 1/10W 18K	
R434	ERDS2TJ472	CARBON 1/4W 4.7K	
R435	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R436	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R466	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R468	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R471	ERDS1FJ152P	CARBON 1/2W 1.5K	⚠
R501	ERDS2TJ471	CARBON 1/4W 470	
R502	ERDS2TJ561	CARBON 1/4W 560	
R503	EROS2THF9101	PRECISION METAL FILM 1/4W 9.1K	⚠
R503	EROS2TKF9101	PRECISION METAL FILM 1/4W 9.1K	⚠
R508	ERDS1FJ1R0P	CARBON 1/2W 1	⚠
R509	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R511	ERG2SJ222H	METAL OXIDE 2W 2.2K	
R512	ERDS2TJ122	CARBON 1/4W 1.2K	
R513	ERDS2TJ472	CARBON 1/4W 4.7K	
R516	LAR05222J09	W FLMPRF 5W 2.2K	

Ref. No.	Part No.	Part Name & Description	Remarks
R519	ERDS2TJ822	CARBON 1/4W 8.2K	
R524	ERDS2TJ103	CARBON 1/4W 10K	
R525	ERDS2TJ124	CARBON 1/4W 120K	
R526	ERX2SJR75H	METAL FILM 2W 0.75	⚠
R541	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R542	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R543	ERJ6GEYJ274V	MGF CHIP 1/10W 270K	
R544	ERJ6GEYJ823V	MGF CHIP 1/10W 82K	
R545	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R551	ERDS2TJ393	CARBON 1/4W 39K	
R552	ERDS2TJ472	CARBON 1/4W 4.7K	
R553	ERDS2TJ102	CARBON 1/4W 1K	
R554	ERG2SJ102H	METAL OXIDE 2W 1K	
R555	ERDS2TJ473	CARBON 1/4W 47K	
R556	ERDS2TJ393	CARBON 1/4W 39K	
R561	ERQ1CJP1R5S	FUSE 1W 1.5	⚠
R562	ERF5ZK3R9	W FLMPRF 5W 3.9	
R571	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R572	ERDS2TJ561	CARBON 1/4W 560	
R573	ERDS2TJ101	CARBON 1/4W 100	
R574	ERDS2TJ103	CARBON 1/4W 10K	
R586	ERDS2TJ562	CARBON 1/4W 5.6K	
R591	ERDS2TJ103	CARBON 1/4W 10K	
R592	ERDS2TJ472	CARBON 1/4W 4.7K	
R789	ERDS2TJ101	CARBON 1/4W 100	
R801	VRESC2TK825T	SOLID 1/2W 8.2M	⚠
R802	ERDS2TJ472	CARBON 1/4W 4.7K	
R803	ERDS2TJ103	CARBON 1/4W 10K	
R804	ERF5ZKR82	W FLMPRF 5W 0.82	⚠
R804	LSREFDWKR82Z	W FLMPRF 5W 0.82	⚠
R850	D0AF184JA038	CARBON 1/2W 180K	
R851	ERD2FCG681V	FUSE 1/4W 680	⚠
R852	ERDS2TJ683	CARBON 1/4W 68K	
R853	ERDS2TJ683	CARBON 1/4W 68K	
R855	ERX2SZJR10P	METAL FILM 2W 0.1	
R857	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R866	ERG2SJ333H	METAL OXIDE 2W 33K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C401	ECA1HM2R2B	ELECTROLYTIC 50V 2.2UF	
C402	ECA1CM471B	ELECTROLYTIC 16V 470UF	
C408	ECA1HGE010KB	ELECTROLYTIC 50V 1UF	
C409	ECA1VM221B	ELECTROLYTIC 35V 220UF	
C413	ECQB1H104KF	POLYESTER 50V 0.1UF	
C414	ECA1EM102E	ELECTROLYTIC 25V 1000UF	
C418	ECA1VM331B	ELECTROLYTIC 35V 330UF	
C458	ECQB1H103KF3	POLYESTER 50V 0.01UF	
C510	ECKR2H102KB5	CERAMIC 500V 1000PF	
C513	ECA1HM100B	ELECTROLYTIC 50V 10UF	
C521	ECA1HM100B	ELECTROLYTIC 50V 10UF	
C523	ECA1CM101B	ELECTROLYTIC 16V 100UF	
C541	ECEA1CKN220I	ELECTROLYTIC 16V 22UF	
C555	ECWH12H822JS	POLYESTER 1200V 8200PF	⚠
C555	ECWH16822JVB	POLYESTER 1200V 8200PF	⚠
C555	F0A3C822A002	POLYESTER 1200V 8200PF	⚠
C555	LSCFN12822JB	POLYESTER 1200V 8200PF	⚠
C556	ECWF2244JSB	POLYESTER 250V 0.24UF	
C558	ECA1VM331B	ELECTROLYTIC 35V 330UF	
C560	ECA2EM100B	ELECTROLYTIC 250V 10UF	⚠
C561	ECA1HM4R7B	ELECTROLYTIC 50V 4.7UF	
C563	ECKR2H681KB5	CERAMIC 500V 680PF	
C575	F2A2D3300010	ELECTROLYTIC 200V 33UF	
C576	ECKW3D391KBP	CERAMIC 2KV 390PF	⚠
C576	ECKC3D391KBP	CERAMIC 2KV 390PF	⚠
C801	ECQU2A823MLA	POLYESTER 250V 0.082UF	⚠
C801	LSCFQ2A823MC	POLYESTER 250V 0.082UF	⚠
C802	J0LE00000023	ARRESTER	⚠
C803	ECKATS103MF	CERAMIC 250V 0.01UF	⚠
C803	ECKETS103MF	CERAMIC 125V 0.01UF	⚠
C803	VCKST3G103MY	CERAMIC 250V 0.01UF	⚠
C803	VCKSU3D103MY	CERAMIC 125V 0.01UF	⚠
C806	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C807	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C808	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C809	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C855	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C856	ECJ2VB1H471K	C CHIP 50V 470PF	
C857	VCESAS2D331E	ELECTROLYTIC 200V 330UF	⚠
C857	ECEC2DP331BB	ELECTROLYTIC 200V 330UF	⚠
C857	F2A2D3310002	ELECTROLYTIC 200V 330UF	⚠
C857	F2B2D3310013	ELECTROLYTIC 200V 330UF	⚠
C858	ECKN3D222KBP	CERAMIC 2KV 4700P	
C859	ECJ2VB1H122K	C CHIP 50V 1200PF	
C861	F1B2E152A012	CERAMIC 250V 1500PF	⚠
C861	F1B2E152A011	CERAMIC 250V 1500PF	⚠
C861	F1B2E152A044	CERAMIC 250V 1500PF	⚠

Ref. No.	Part No.	Part Name & Description	Remarks
C861	F1B2E152A045	CERAMIC 250V 1500PF	⚠
C861	F1B2E1520002	CERAMIC 250V 1500PF	⚠
C861	F1B2E1520006	CERAMIC 250V 1500PF	⚠
C864	F1B3A102A009	CERAMIC 25V 1000PF	
C865	ECEA1PEE102	ELECTROLYTIC 18V 1000UF	
C867	VCESAS2D331E	ELECTROLYTIC 200V 330UF	⚠
C867	ECEC2DP331BB	ELECTROLYTIC 200V 330UF	⚠
C867	F2A2D3310002	ELECTROLYTIC 200V 330UF	⚠
C867	F2B2D3310013	ELECTROLYTIC 200V 330UF	⚠
C868	ECEA1PEE102	ELECTROLYTIC 18V 1000UF	
C869	ECKR2H221KB5	CERAMIC 500V 220PF	
C870	ECA2DHG4R7B	ELECTROLYTIC 200V 4.7UF	
C872	ECEA2DU820YE	ELECTROLYTIC 200V 82UF	⚠
C872	F2A2D8200001	ELECTROLYTIC 200V 82UF	⚠
C872	F2A2D8200003	ELECTROLYTIC 200V 82UF	⚠
C872	VCESR2D820XE	ELECTROLYTIC 200V 82UF	⚠

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L552	J0JKA0000015	COIL	
L554	ELH5L4149	COIL	⚠
L554	G0D790000001	COIL	⚠
L801	ELF21V025A	LINE FILTER	⚠
L801	J0HBLH000001	LINE FILTER	⚠
L802	ELF21V025A	LINE FILTER	⚠
L802	J0HBLH000001	LINE FILTER	⚠
L850	J0JKA0000016	FERRITE BEAD WITH LEAD	
L855	G0A9R0H00002	COIL	
L856	VLQSAB7D220K	COIL 22UH	
L857	J0JHB0000021	LINE FILTER	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P501	VJPS0772	CONNECTOR PLUG 19P	
P504	K1MP04A00013	CONNECTOR 4P	
P801	LSJP0814	CONNECTOR 2P	
P802	VEKS5825	CONNECTOR CABLE W/PLUG,0V	
P850	K1KA02A00009	CONNECTOR 2P	

FUSE & PROTECTOR

Ref. No.	Part No.	Part Name & Description	Remarks
F801	K5D632AQ0002	FUSE 125V 6.3A	⚠
F801	K5D632ADA001	FUSE 125V 6.3A	⚠
F801	K5D632AD0002	FUSE 125V 6.3A	⚠
PR850	LSSF009A70E	IC PROTECTOR	⚠
PR851	LSSF009A35E	IC PROTECTOR	⚠

RELAY

Ref. No.	Part No.	Part Name & Description	Remarks
RL591	LSSY0004	RELAY	⚠
RL591	K6B1AGA00034	RELAY	⚠
RL591	K6B1AGA00042	RELAY	⚠
RL591	TSEH0013	RELAY	⚠
RL591	TSEH1860-1	RELAY	⚠
RL801	LSSY0004	RELAY	⚠
RL801	K6B1AGA00034	RELAY	⚠
RL801	K6B1AGA00042	RELAY	⚠
RL801	TSEH0013	RELAY	⚠
RL801	TSEH1860-1	RELAY	⚠

TRANSFORMER

Ref. No.	Part No.	Part Name & Description	Remarks
T501	ETH09K8AZ	TRANSFORMER	
T551	KFT4AB407F	FLYBACK TRANSFORMER	⚠
T850	LSTP0124	TRANSFORMER	⚠

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
470	XTV3+10G	TAPPING SCREW,STEEL	
483	XYN3+F10S	SCREW W/WASHER,STEEL	
728	LUS63008A	HEAT SINK	
741	LSJA03492017	AC CORD W/PLUG,120V	⚠
751	LML69001A	ANODE LEAD CLAMPER	
760	TUC77628	HEAT SINK	
771	EYF52BC	FUSE HOLDER	
797	LSSC0529	HEAT SINK	

12.3.5. POWER SUPPLY C.B.A.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC1501	C5HABZZ00101	IC, LINEAR	⚠
IC1502	CNC1S101R1KT	IC, LINEAR	⚠
IC1502	CNC1S101S1KT	IC, LINEAR	⚠
IC1503	C0DAEMZ00005	IC, LINEAR	
IC1503	B1AZKD000001	IC, LINEAR	
IC1503	C0DAEMZ00001	IC, LINEAR	
IC1504	C0DAEGG00008	IC, LINEAR	
IC9501	C0ABBB000017	IC, LINEAR	
IC9501	C1BB00000177	IC, LINEAR	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q1501	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q1501	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q1502	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q1502	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q1503	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q1503	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q1504	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q1504	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q1505	B1BACC000010	TRANSISTOR SI NPN	
Q1505	2SD1581-T	TRANSISTOR SI NPN	
Q1506	2SD2396-K	TRANSISTOR SI NPN	
Q1506	2SD23750P	TRANSISTOR SI NPN	
Q1507	2SD235800A	TRANSISTOR SI NPN	
Q1507	B1AAQB000002	TRANSISTOR SI NPN	
Q1507	B1BADC000001	TRANSISTOR SI NPN	
Q1508	2SD0601AHL	TRANSISTOR SI NPN CHIP	
Q1508	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q1509	2SD0602ARL	TRANSISTOR SI NPN CHIP	
Q1510	B1BACC000010	TRANSISTOR SI NPN	
Q1510	2SD1581-T	TRANSISTOR SI NPN	
Q1511	2SD0601AHL	TRANSISTOR SI NPN CHIP	
Q1511	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q7001	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q7001	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q7002	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q7002	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q9501	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q9501	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q9502	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q9502	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q9503	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q9503	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q9504	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q9504	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q9505	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q9505	B1ABCF000020	TRANSISTOR SI NPN CHIP	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D1501	B0AAKT000010	DIODE SI	⚠
D1501	B0EAKT000027	DIODE SI	⚠
D1501	B0EAKT000030	DIODE SI	⚠
D1502	B0AAKT000010	DIODE SI	⚠
D1502	B0EAKT000027	DIODE SI	⚠
D1502	B0EAKT000030	DIODE SI	⚠
D1503	B0AAKT000010	DIODE SI	⚠
D1503	B0EAKT000027	DIODE SI	⚠
D1503	B0EAKT000030	DIODE SI	⚠
D1504	B0AAKT000010	DIODE SI	⚠
D1504	B0EAKT000027	DIODE SI	⚠
D1504	B0EAKT000030	DIODE SI	⚠
D1505	B0JAMD000012	DIODE SI	
D1505	B0JAGE000001	DIODE SI	
D1505	B0JAME000082	DIODE SI	
D1506	B0HAJL000001	DIODE SI	
D1506	B0HAGP000012	DIODE SI	
D1507	B0HAJL000001	DIODE SI	
D1507	B0HAGP000012	DIODE SI	
D1508	B0HAJL000001	DIODE SI	
D1508	B0HAGP000012	DIODE SI	
D1509	B0HAJL000001	DIODE SI	
D1509	B0HAGP000012	DIODE SI	
D1510	B0HAHP000014	DIODE SI	
D1510	B0HAJP000007	DIODE SI	
D1510	B0HAMP000061	DIODE SI	
D1510	B0HAMP000069	DIODE SI	
D1511	B0JANK000004	DIODE SI	
D1512	B0JANG000006	DIODE SI	
D1513	B0JBRD000006	DIODE SI	
D1514	B0JAME000079	DIODE SI	
D1514	B0JAME000049	DIODE SI	
D1514	B0JANE000011	DIODE SI	
D1514	B0JANE000022	DIODE SI	
D1515	B0HAJL000001	DIODE SI	
D1515	B0HAGP000012	DIODE SI	
D1516	MAZ4100NHF	DIODE ZENER 10V	
D1518	MAZ4056NMF	DIODE ZENER 5.6V	
D1519	MAZ20820A	DIODE ZENER 8.2V	
D1519	MAZ20820	DIODE ZENER 8.2V	
D1519	MAZ20820B	DIODE ZENER 8.2V	
D1520	B0AAML000001	DIODE SI	
D1520	B0EAKL000008	DIODE SI	
D1522	B0AAML000001	DIODE SI	
D1522	B0EAKL000008	DIODE SI	
D1524	MA2180LA	DIODE ZENER 18V	⚠
D1524	B0BA01800025	DIODE ZENER 18V	⚠
D1524	1N4746A-T	DIODE ZENER 18V	⚠
D1524	1N4746ARL	DIODE ZENER 18V	⚠

Ref. No.	Part No.	Part Name & Description	Remarks
D1525	MAZ4047NMF	DIODE ZENER 4.7V	
D1526	MA2C165001VT	DIODE SI	
D1526	B0AACK000004	DIODE SI	
D1526	1SS119	DIODE SI	
D1527	MA2C165001VT	DIODE SI	
D1527	B0AACK000004	DIODE SI	
D1527	1SS119	DIODE SI	
D1528	MAZ20620A	DIODE ZENER 6.2V	
D1528	MAZ20620	DIODE ZENER 6.2V	
D1528	MAZ20620B	DIODE ZENER 6.2V	
D9501	MA2C165001VT	DIODE SI	
D9501	B0AACK000004	DIODE SI	
D9501	1SS119	DIODE SI	
D9502	MA2C165001VT	DIODE SI	
D9502	B0AACK000004	DIODE SI	
D9502	1SS119	DIODE SI	
D9503	MAZ40510MF	DIODE ZENER 5.1V	
D9503	HZS5C2TD	DIODE ZENER 5.1V	
D9503	HZS5C3TD	DIODE ZENER 5.1V	
D9504	MAZ40510MF	DIODE ZENER 5.1V	
D9504	HZS5C2TD	DIODE ZENER 5.1V	
D9504	HZS5C3TD	DIODE ZENER 5.1V	
D9505	MAZ40910MF	DIODE ZENER 9.1V	
D9505	MA4091-MKT	DIODE ZENER 9.1V	
D9505	MA4091-MMKT	DIODE ZENER 9.1V	
D9505	RD9.1ESAB1	DIODE ZENER 9.1V	
D9505	RD9.1ESAB2	DIODE ZENER 9.1V	
D9505	04AZ9.1ZTPA7	DIODE ZENER 9.1V	
D9506	MAZ40510MF	DIODE ZENER 5.1V	
D9506	HZS5C2TD	DIODE ZENER 5.1V	
D9506	HZS5C3TD	DIODE ZENER 5.1V	
D9507	MAZ40510MF	DIODE ZENER 5.1V	
D9507	HZS5C2TD	DIODE ZENER 5.1V	
D9507	HZS5C3TD	DIODE ZENER 5.1V	
D9551	MA2C165001VT	DIODE SI	
D9551	B0AACK000004	DIODE SI	
D9551	1SS119	DIODE SI	
D9552	MA2C165001VT	DIODE SI	
D9552	B0AACK000004	DIODE SI	
D9552	1SS119	DIODE SI	
D9553	MAZ41200LF	DIODE ZENER 12V	
D9554	MAZ41200LF	DIODE ZENER 12V	
D9555	MAZ41200LF	DIODE ZENER 12V	
D9556	MAZ41200LF	DIODE ZENER 12V	
D9561	MA2C165001VT	DIODE SI	
D9561	B0AACK000004	DIODE SI	
D9561	1SS119	DIODE SI	
D9562	MA2C165001VT	DIODE SI	
D9562	B0AACK000004	DIODE SI	
D9562	1SS119	DIODE SI	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R1501	D0AF473JA038	CARBON 1/2W 47K	
R1502	ERD2FCG681V	FUSE 1/4W 680	⚠
R1503	ERX2SJR22P	METAL FILM 2W 0.22	
R1505	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R1507	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R1508	ERG2SJ104P	METAL OXIDE 2W 100K	
R1510	ERDS2TJ750	CARBON 1/4W 75	
R1511	ERD25FJ100P	CARBON 1/4W 10	⚠
R1511	ERD25FPJ100P	CARBON 1/4W 10	⚠
R1511	VRESF4FJ100P	CARBON 1/4W 10	⚠
R1512	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R1513	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R1514	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R1515	D1BD2431A016	MGF CHIP 1/10W 2.43K	
R1516	D0HD222ZA002	MGF CHIP 1/10W 2.2K	
R1517	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R1518	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R1519	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R1520	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R1521	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R1522	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R1523	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R1524	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R1525	ERDS2TJ331	CARBON 1/4W 330	
R1526	ERDS2TJ153	CARBON 1/4W 15K	
R1527	ERDS1TJ272T	CARBON 1/2W 2.7K	
R1528	ERDS2TJ153	CARBON 1/4W 15K	
R1529	ERDS1TJ272T	CARBON 1/2W 2.7K	
R1530	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R1531	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R1532	ERJ6GEYJ681V	MGF CHIP 1/10W 680	
R1534	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R1535	ERDS2T0T	CARBON 1/4W 0	
R1536	ERDS2TJ153	CARBON 1/4W 15K	
R1537	ERDS2TJ153	CARBON 1/4W 15K	
R1538	ERJ6GEYJ681V	MGF CHIP 1/10W 680	
R1605	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R7001	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7002	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7003	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7004	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7005	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R7006	ERJ6GEYJ271V	MGF CHIP 1/10W 270	
R7007	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7008	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7009	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R7010	ERDS2TJ101	CARBON 1/4W 100	
R9501	ERJ6GEYJ750V	MGF CHIP 1/10W 75	
R9502	ERJ6GEYJ750V	MGF CHIP 1/10W 75	
R9503	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R9504	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R9505	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R9506	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	

Ref. No.	Part No.	Part Name & Description	Remarks
R9507	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R9508	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R9509	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R9510	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R9511	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R9512	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R9513	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R9517	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R9518	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R9519	ERJ6GEYJ271V	MGF CHIP 1/10W 270	
R9525	ERJ6GEYJ271V	MGF CHIP 1/10W 270	
R9526	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R9527	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R9528	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R9532	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R9545	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R9546	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C1501	F1B2E101A009	CERAMIC 250V 100PF	⚠
C1501	F1B2E101A008	CERAMIC 250V 100PF	⚠
C1501	F1B2E101A032	CERAMIC 250V 100PF	⚠
C1501	F1B2E101A037	CERAMIC 250V 100PF	⚠
C1502	ECKATS103MF	CERAMIC 250V 0.01UF	⚠
C1502	ECKETS103MF	CERAMIC 125V 0.01UF	⚠
C1502	VCKST3G103MY	CERAMIC 250V 0.01UF	⚠
C1502	VCKSU3D103MY	CERAMIC 125V 0.01UF	⚠
C1503	ECKATS103MF	CERAMIC 250V 0.01UF	⚠
C1503	VCKSEKD103PZ	CERAMIC 125V 0.01UF	⚠
C1503	VCKSEMD103PZ	CERAMIC 125V 0.01UF	⚠
C1503	VCKSGKD103QZ	CERAMIC 125V 0.01UF	⚠
C1503	VCKSGMD103QZ	CERAMIC 125V 0.01UF	⚠
C1503	VCKSTKG103ZY	CERAMIC 125V 0.01UF	⚠
C1503	VCKSTMG103ZY	CERAMIC 125V 0.01UF	⚠
C1503	VCKSUKD103MY	CERAMIC 125V 0.01UF	⚠
C1503	VCKSUMD103MY	CERAMIC 125V 0.01UF	⚠
C1504	F1B2E152A012	CERAMIC 250V 1500PF	⚠
C1504	F1B2E152A011	CERAMIC 250V 1500PF	⚠
C1504	F1B2E152A044	CERAMIC 250V 1500PF	⚠
C1504	F1B2E152A045	CERAMIC 250V 1500PF	⚠
C1504	F1B2E1520002	CERAMIC 250V 1500PF	⚠
C1504	F1B2E1520006	CERAMIC 250V 1500PF	⚠
C1505	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C1506	ECJ2VC1H471J	C CHIP 50V 470PF	

Ref. No.	Part No.	Part Name & Description	Remarks
C1507	ECEA2DU121YE	ELECTROLYTIC 200V 120UF	⚠
C1507	F2A2D1210001	ELECTROLYTIC 200V 120UF	⚠
C1507	F2A2D1210003	ELECTROLYTIC 200V 120UF	⚠
C1507	VCESR2D121XE	ELECTROLYTIC 200V 120UF	⚠
C1508	F1B3D152A010	CERAMIC DISC CAPACITORS	
C1509	ECKR2H221KB5	CERAMIC 500V 220PF	
C1510	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C1511	ECKN3A222KBP	CERAMIC 1KV 2200PF	
C1512	ECJ2VB1H821K	C CHIP 50V 820PF	
C1515	ECJ2VC1H101J	C CHIP 50V 100PF	
C1516	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1517	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1518	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C1519	EEUFF0J222E	ELECTROLYTIC 6.3V 2200UF	
C1520	ECA1CM102B	ELECTROLYTIC 16V 1000UF	
C1521	ECJ2VB1C224K	C CHIP 16V 0.22UF	
C1522	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1523	ECA0JM102B	ELECTROLYTIC 6.3V 1000UF	
C1525	ECA0JM102B	ELECTROLYTIC 6.3V 1000UF	
C1526	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1527	ECA0JM102B	ELECTROLYTIC 6.3V 1000UF	
C1528	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1530	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C1531	ECJ2YB1C334K	C CHIP 16V 0.33UF	
C1533	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C1535	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C1536	ECJ2FB1C105K	C CHIP 16V 1UF	
C1537	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C1538	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1539	ECEA0JEE101B	ELECTROLYTIC 6.3V 100UF	
C1540	ECA0JM101B	ELECTROLYTIC 6.3V 100UF	
C1541	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1542	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1545	ECA1CM331B	ELECTROLYTIC 16V 330UF	
C1546	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C1547	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C1548	ECJ2VB1H104K	C CHIP 50V 0.1UF	
C1549	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1550	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1552	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C1553	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1555	ECJ2FB1C105K	C CHIP 16V 1UF	
C1556	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C1557	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C1605	ECJ2VC1H270J	C CHIP 50V 27PF	
C1606	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C1607	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C7002	ECJ2VB1H102K	C CHIP 50V 1000PF	
C7003	ECJ2VC1H330J	C CHIP 50V 33PF	
C7005	ECJ2VC1H330J	C CHIP 50V 33PF	
C7006	ECA0JM102B	ELECTROLYTIC 6.3V 1000UF	
C7007	ECJ2VB1H102K	C CHIP 50V 1000PF	
C7008	ECJ2VF1H103Z	C CHIP 50V 0.01UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C7010	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C7011	ECJ2VB1H222K	C CHIP 50V 2200PF	
C9502	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9504	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C9505	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C9506	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9507	ECEA1CKA220B	ELECTROLYTIC 16V 22UF	
C9508	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C9510	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9511	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9514	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9515	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C9518	ECJ2VF1C105Z	C CHIP 16V 1UF	
C9519	ECA1CM101B	ELECTROLYTIC 16V 100UF	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L1501	ELF15N010A	LINE FILTER	⚠
L1501	J0HBLG000004	LINE FILTER	⚠
L1502	J0JHB0000021	FILTER	
L1503	J0JHB0000021	FILTER	
L1504	VLQSAB7D220K	COIL 22UH	
L1505	VLQSAB7D100K	COIL 10UH	
L1506	ELEXT101KE04	COIL 100UH	
L1507	G0A100YA0001	COIL	
L1509	VLQSAB7D220K	COIL 22UH	
L1510	G0A100YA0001	COIL	
L1511	EXCELDR25V	NOISE FILTER 0.25	
L1512	EXCELDR25V	NOISE FILTER 0.25	
L1601	LSLF0035	EMI FILTER CHIP	
L1603	LSLF0035	EMI FILTER CHIP	
L1604	ELESN220KA	COIL 22UH	
L7002	VLQSAB7D100K	COIL 10UH	
L9501	ELESN101KA	COIL 100UH	
L9515	ELESN101KA	COIL 100UH	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P1501	LSJP0814	CONNECTOR 2P	
P1502	VEKS5880	CONNECTOR CABLE W/PLUG,0V	
P1529	VEKS5890-FE	CONNECTOR CABLE W/PLUG,	
P7003	VJPS0770	CONNECTOR PLUG 11P	
P7007	VJPS0771	CONNECTOR PLUG 13P	
P7008	VJPS0770	CONNECTOR PLUG 11P	

FUSE & PROTECTOR

Ref. No.	Part No.	Part Name & Description	Remarks
F1501	K5D302AQ0003	FUSE 125V 3A	⚠
F1501	K5D302ADA002	FUSE 125V 3A	⚠
F1501	K5D302AD0002	FUSE 125V 3A	⚠
PR1501	UNH000600A	IC PROTECTOR 1.5A	⚠
PR1501	B1ZAZ0000040	IC PROTECTOR 1.5A	⚠
PR1501	LSSF009A25E	IC PROTECTOR 1.5A	⚠
PR1502	UNH000600A	IC PROTECTOR 1.5A	⚠
PR1502	B1ZAZ0000040	IC PROTECTOR 1.5A	⚠
PR1502	LSSF009A25E	IC PROTECTOR 1.5A	⚠
PR1503	UNH000600A	IC PROTECTOR 1.5A	⚠
PR1503	B1ZAZ0000040	IC PROTECTOR 1.5A	⚠
PR1503	LSSF009A25E	IC PROTECTOR 1.5A	⚠
PR1504	LSSF009A35E	IC PROTECTOR	⚠

TRANSFORMER

Ref. No.	Part No.	Part Name & Description	Remarks
T1501	LSTP0125	TRANSFORMER	⚠

JACKS

Ref. No.	Part No.	Part Name & Description	Remarks
JK1601	B3RAE0000007	IC, JACK OPTICAL OUTPUT	
JK9501	K1CB104B0040	S-VIDEO JACK SOCKET	
JK9502	K2HA305B0003	AUDIO/VIDEO JACK SOCKET	
JK9503	K2HA203B0011	AUDIO/VIDEO JACK SOCKET	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
483	XYN3+F10S	SCREW W/WASHER,STEEL	
771	EYF52BC	FUSE HOLDER	
772	LSSC0408	HEAT SINK	
743	ENG36715G	TUNER,UHF/VHF NR	

12.3.6. OPERATION C.B.A.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC4701	C0ABBB000017	IC, LINEAR	
IC4701	C1BB00000177	IC, LINEAR	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q4701	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q4701	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q4710	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q4710	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q4711	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q4711	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q4712	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q4712	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q4713	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q4713	B1ABCF000020	TRANSISTOR SI NPN CHIP	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D4591	MAZ41300HF	DIODE ZENER 13V	
D4592	MAZ41300HF	DIODE ZENER 13V	
D4593	MAZ41300HF	DIODE ZENER 13V	
D4594	MAZ41300HF	DIODE ZENER 13V	
D4706	MA2C165001VT	DIODE SI	
D4706	B0AACK000004	DIODE SI	
D4706	1SS119	DIODE SI	
D4707	MA2C165001VT	DIODE SI	
D4707	B0AACK000004	DIODE SI	
D4707	1SS119	DIODE SI	
D4710	MAZ40510MF	DIODE ZENER 5.1V	
D4710	HZS5C2TD	DIODE ZENER 5.1V	
D4710	HZS5C3TD	DIODE ZENER 5.1V	
D4711	MAZ40510MF	DIODE ZENER 5.1V	
D4711	HZS5C2TD	DIODE ZENER 5.1V	
D4711	HZS5C3TD	DIODE ZENER 5.1V	
D4712	MAZ40510MF	DIODE ZENER 5.1V	
D4712	HZS5C2TD	DIODE ZENER 5.1V	
D4712	HZS5C3TD	DIODE ZENER 5.1V	
D4713	MAZ40510MF	DIODE ZENER 5.1V	
D4713	HZS5C2TD	DIODE ZENER 5.1V	
D4713	HZS5C3TD	DIODE ZENER 5.1V	
D4714	MAZ40910MF	DIODE ZENER 9.1V	
D4714	B0BA8R700009	DIODE ZENER 9.1V	
D4714	RD9.1ESAB2	DIODE ZENER 9.1V	
D4715	MA2C165001VT	DIODE SI	
D4715	B0AACK000004	DIODE SI	
D4715	1SS119	DIODE SI	
D4716	MA2C165001VT	DIODE SI	
D4716	B0AACK000004	DIODE SI	
D4716	1SS119	DIODE SI	
D4717	MA2C165001VT	DIODE SI	
D4717	B0AACK000004	DIODE SI	
D4717	1SS119	DIODE SI	
D4718	MA2C165001VT	DIODE SI	
D4718	B0AACK000004	DIODE SI	
D4718	1SS119	DIODE SI	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R4591	ERDS2TJ331	CARBON 1/4W 330	
R4592	ERDS2TJ331	CARBON 1/4W 330	
R4593	ERDS2TJ331	CARBON 1/4W 330	
R4594	ERDS2TJ331	CARBON 1/4W 330	
R4701	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R4702	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4703	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R4704	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4705	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R4706	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R4707	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R4710	ERJ6GEYJ750V	MGF CHIP 1/10W 75	
R4711	ERJ6GEYJ750V	MGF CHIP 1/10W 75	
R4712	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	
R4713	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4714	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4715	ERJ6GEYJ271V	MGF CHIP 1/10W 270	
R4716	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4717	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4718	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4719	ERJ6GEYJ271V	MGF CHIP 1/10W 270	
R4720	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R4721	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R4722	ERJ6GEYJ271V	MGF CHIP 1/10W 270	
R4724	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R4725	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R4726	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6381	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6382	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6383	ERJ6GEYJ123V	MGF CHIP 1/10W 12K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C4591	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C4592	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C4701	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4702	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4703	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4704	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4707	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4708	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4710	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C4711	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4713	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4714	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4715	ECJ2VF1C105Z	C CHIP 16V 1UF	
C4716	ECEA1CKA101I	ELECTROLYTIC 16V 100UF	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L4701	ELESN101KA	COIL 100UH	
L4710	ELESN101KA	COIL 100UH	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P4591	K1KA05A00177	CONNECTOR 5P	
P4701	VJPS0772	CONNECTOR PLUG 19P	

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW6381	EVQ21405R	SWITCH PUSH	
SW6382	EVQ21405R	SWITCH PUSH	
SW6383	EVQ21405R	SWITCH PUSH	
SW6384	EVQ21405R	SWITCH PUSH	

JACKS

Ref. No.	Part No.	Part Name & Description	Remarks
JK4591	K2HC103B0047	EARPHONE JACK SOCKET	
JK4701	K1CB104B0040	S-VIDEO JACK SOCKET	
JK4702	LSJJ0168	FRONT AUDIO/VIDEO JACK SOCKET	

12.3.7. CRT C.B.A.

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q351	2SC3063	TRANSISTOR SI NPN	
Q351	2SC3271F-N	TRANSISTOR SI NPN	
Q351	2SC3619	TRANSISTOR SI NPN	
Q352	2SC3063	TRANSISTOR SI NPN	
Q352	2SC3271F-N	TRANSISTOR SI NPN	
Q352	2SC3619	TRANSISTOR SI NPN	
Q353	2SC3063	TRANSISTOR SI NPN	
Q353	2SC3271F-N	TRANSISTOR SI NPN	
Q353	2SC3619	TRANSISTOR SI NPN	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D351	MAZ41500MF	DIODE ZENER 15V	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R351	ERG2ANJ153H	METAL OXIDE 2W 15K	
R352	ERG2ANJ153H	METAL OXIDE 2W 15K	
R353	ERG2ANJ153H	METAL OXIDE 2W 15K	
R354	ERD25TJ272	CARBON 1/4W 2.7K	
R355	ERD25TJ272	CARBON 1/4W 2.7K	
R356	ERD25TJ272	CARBON 1/4W 2.7K	
R357	ERDS2TJ392	CARBON 1/4W 3.9K	
R358	ERDS2TJ392	CARBON 1/4W 3.9K	
R359	ERDS2TJ392	CARBON 1/4W 3.9K	
R360	ERDS2TJ391	CARBON 1/4W 390	
R361	ERDS2TJ391	CARBON 1/4W 390	
R362	ERDS2TJ391	CARBON 1/4W 390	
R363	ERDS2TJ121	CARBON 1/4W 120	
R364	ERDS2TJ121	CARBON 1/4W 120	
R365	ERDS2TJ121	CARBON 1/4W 120	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C351	F1D1H471A012	CERAMIC 50V 470PF	
C352	F1D1H471A012	CERAMIC 50V 470PF	
C353	F1D1H561A012	CERAMIC 50V 560PF	
C354	F1B3D1020008	CERAMIC 2KV 1000PF	
C357	ECA1CM220B	ELECTROLYTIC 16V 22UF	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P351	LSJWR4N350AC	CONNECTOR CABLE W/OUT PLUG,12V DC	
P352	LSJWS4N380AC	CONNECTOR CABLE W/OUT PLUG,220V DC	
P353	K3B09CA00005	CRT SOCKET	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
153	TMM7443-1	CLAMPER	

12.3.8. DVD MAIN C.B.A.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC8001	MN2DS0002VP	IC, LINEAR	
IC8002	LSSK0024	IC, 4K EEP ROM	E.S.D.
IC8003	C1DB00000918	IC, LINEAR	
IC8005	C0DBZFZ00011	IC, LINEAR	
IC8005	C0DBZFZ00010	IC, LINEAR	
IC8201	LSSK0028	IC, 16MBIT FLASH MEMORY	E.S.D.
IC8202	C0JBAH000074	IC, CMOS STANDARD LOGIC	E.S.D.
IC8202	C0JBAH000078	IC, CMOS STANDARD LOGIC	E.S.D.
IC8203	C0JBAH000074	IC, CMOS STANDARD LOGIC	E.S.D.
IC8203	C0JBAH000078	IC, CMOS STANDARD LOGIC	E.S.D.
IC8204	C3ABQJ000001	IC, 128MBIT SD RAM	E.S.D.
IC8204	C3ABQJ000005	IC, 128MBIT SD RAM	E.S.D.
IC8204	C3ABQJ000012	IC, 128MBIT SD RAM	E.S.D.
IC8501	C0FBBK000035	IC, LINEAR	
IC8503	AN6552S	IC, LINEAR	
IC8801	C0GBL0000003	IC, LINEAR	
IC8950	AN6552S	IC, LINEAR	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q8401	2SB1218ARL	TRANSISTOR SI PNP CHIP	
Q8402	2SB1218ARL	TRANSISTOR SI PNP CHIP	
Q8403	2SB1218ARL	TRANSISTOR SI PNP CHIP	
Q8404	2SB1218ARL	TRANSISTOR SI PNP CHIP	
Q8601	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q8601	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q8602	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q8602	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q8603	2SB14400RL	TRANSISTOR SI PNP CHIP	
Q8603	2SB14400SL	TRANSISTOR SI PNP CHIP	
Q8901	UNR521100L	TRANSISTOR SI NPN CHIP	
Q8901	B1GBCFJJ0007	TRANSISTOR SI NPN CHIP	
Q8902	UNR511500L	TRANSISTOR SI PNP CHIP	
Q8902	B1GDCFJJ0025	TRANSISTOR SI PNP CHIP	
Q8905	B1CFGD000002	TRANSISTOR FET CHIP	
Q8905	XP0187800L	TRANSISTOR FET CHIP	
Q8906	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q8906	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q8907	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q8907	B1ADCF000001	TRANSISTOR SI PNP CHIP	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R8001	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R8002	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R8004	ERJ12YJ1R0U	MGF CHIP 1/2W 1	
R8005	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R8013	ERJ3GEYJ221V	MGF CHIP 1/16W 220	
R8014	ERJ3GEYJ221V	MGF CHIP 1/16W 220	
R8017	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8020	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R8021	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8022	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8023	ERJ3GEYJ270V	MGF CHIP 1/16W 27	
R8024	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8028	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8031	ERJ3GEYF153V	MGF CHIP 1/16W 15K	
R8032	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R8033	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R8034	ERJ3GEYF153V	MGF CHIP 1/16W 15K	
R8036	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8042	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8043	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8044	EVM3YSX50B23	VARIABLE 2K	
R8045	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8048	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8049	ERJ3GEYJ561V	MGF CHIP 1/16W 560	
R8050	ERJ3GEYJ561V	MGF CHIP 1/16W 560	
R8051	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8202	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8212	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8213	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8223	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8226	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8230	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8235	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8239	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R8241	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R8242	EXB38V100JV	ARRAY CHIP 1/16W 10	
R8244	EXB38V100JV	ARRAY CHIP 1/16W 10	
R8248	EXB38V100JV	ARRAY CHIP 1/16W 10	
R8249	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R8253	EXB38V100JV	ARRAY CHIP 1/16W 10	
R8259	EXB38V100JV	ARRAY CHIP 1/16W 10	
R8263	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8267	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8268	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8272	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8401	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8402	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8403	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8404	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8405	ERJ3GEYJ302V	MGF CHIP 1/16W 3K	
R8406	ERJ3GEYJ302V	MGF CHIP 1/16W 3K	
R8409	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8410	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8423	ERJ3GEYJ101V	MGF CHIP 1/16W 100	

Ref. No.	Part No.	Part Name & Description	Remarks
R8424	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8425	ERJ3GEYJ750V	MGF CHIP 1/16W 75	
R8426	ERJ3GEYJ360V	MGF CHIP 1/16W 36	
R8427	ERJ3GEYJ360V	MGF CHIP 1/16W 36	
R8501	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8502	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8503	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8504	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8518	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R8520	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R8533	ERJ3GEYF153V	MGF CHIP 1/16W 15K	
R8534	ERJ3GEYJ622V	MGF CHIP 1/16W 6.2K	
R8535	ERJ3GEYF153V	MGF CHIP 1/16W 15K	
R8536	ERJ3GEYJ622V	MGF CHIP 1/16W 6.2K	
R8557	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8558	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8565	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8566	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8567	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8568	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8569	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8604	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8605	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8606	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8608	ERJ3GEYF392V	MGF CHIP 1/16W 3.9K	
R8626	ERJ3GEYF153V	MGF CHIP 1/16W 15K	
R8627	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8628	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8629	ERJ3GEYJ683V	MGF CHIP 1/16W 68K	
R8631	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8632	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8633	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8634	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8637	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8638	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8639	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8640	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8643	ERJ3GEYJ271V	MGF CHIP 1/16W 270	
R8644	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R8645	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8646	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8647	ERJ3GEYJ682V	MGF CHIP 1/16W 6.8K	
R8648	ERJ3GEYJ203V	MGF CHIP 1/16W 20K	
R8649	ERJ3GEYJ203V	MGF CHIP 1/16W 20K	
R8650	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8801	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8807	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R8808	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8809	ERJ8GEYJ1R0Z	MGF CHIP 1/8W 1	
R8810	ERJ8GEYJ1R0Z	MGF CHIP 1/8W 1	
R8811	ERJ8GEYJ1R0Z	MGF CHIP 1/8W 1	
R8812	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R8813	ERJ6GEYJ1R0V	MGF CHIP 1/10W 1	
R8814	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	

Ref. No.	Part No.	Part Name & Description	Remarks
R8815	ERJ6GEYJ1R0V	MGF CHIP 1/10W 1	
R8816	ERJ6GEYJ1R0V	MGF CHIP 1/10W 1	
R8817	ERJ6GEYJ1R0V	MGF CHIP 1/10W 1	
R8818	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8901	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8905	ERJ3GEYJ823V	MGF CHIP 1/16W 82K	
R8907	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8909	ERJ8GEYJ100V	MGF CHIP 1/8W 10	
R8910	ERJ8GEYJ100V	MGF CHIP 1/8W 10	
R8911	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R8912	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8913	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8914	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8915	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8916	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8921	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8922	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8923	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8924	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8925	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8926	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8927	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8928	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8929	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8930	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8950	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8951	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8952	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8953	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8954	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8955	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R8956	ERJ3GEYJ562V	MGF CHIP 1/16W 5.6K	
R8957	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C8001	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8002	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8005	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C8006	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C8007	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8008	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8009	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8010	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8011	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8012	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8013	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8014	ECJ1VF1E104Z	C CHIP 25V 0.1UF	
C8015	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8016	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8017	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8018	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8019	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8020	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8021	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8022	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8023	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8024	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8025	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8026	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8027	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8028	ECJ1VC1H330J	C CHIP 50V 33PF	
C8029	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8030	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8031	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8032	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8033	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8034	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8035	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8036	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8037	ECJ1VC1H080C	C CHIP 50V 8PF	
C8038	ECJ1VC1H080C	C CHIP 50V 8PF	
C8039	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C8040	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8041	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8201	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
C8202	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8203	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8204	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8205	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
C8206	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8207	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8208	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8209	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8210	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8211	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8212	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8213	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8214	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8215	ECJ1VB0J105K	C CHIP 6.3V 1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C8216	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8217	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8412	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C8413	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8414	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8415	ECJ1VC1H220J	C CHIP 50V 22PF	
C8416	ECJ1VC1H220J	C CHIP 50V 22PF	
C8417	ECJ1VC1H390J	C CHIP 50V 39PF	
C8418	ECJ1VC1H390J	C CHIP 50V 39PF	
C8419	ECJ1VC1H390J	C CHIP 50V 39PF	
C8420	ECJ1VC1H390J	C CHIP 50V 39PF	
C8421	ECJ1VC1H220J	C CHIP 50V 22PF	
C8422	ECJ1VC1H220J	C CHIP 50V 22PF	
C8423	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8424	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8425	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C8504	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8505	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8506	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8507	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8508	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8512	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8513	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8520	ECEA1AKA330I	ELECTROLYTIC 10V 33UF	
C8521	ECEA1CKA101	ELECTROLYTIC 16V 100UF	
C8522	ECJ1VF1C104Z	C CHIP 16V 0.1UF	
C8523	ECEA1AKA330I	ELECTROLYTIC 10V 33UF	
C8536	ECJ1VC1H101J	C CHIP 50V 100PF	
C8537	ECJ1VC1H101J	C CHIP 50V 100PF	
C8544	ECJ1VB1H102K	C CHIP 50V 1000PF	
C8545	ECJ1VB1H102K	C CHIP 50V 1000PF	
C8553	ECJ1VB1H472K	C CHIP 50V 4700PF	
C8555	ECJ1VB1H472K	C CHIP 50V 4700PF	
C8568	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8569	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8571	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C8572	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
C8573	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8574	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8603	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8604	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8605	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8606	ECJ1VB1E333K	C CHIP 25V 0.033UF	
C8607	ECJ1VC1H330J	C CHIP 50V 33PF	
C8608	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8610	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8611	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8612	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8613	ECJ1VC1H101J	C CHIP 50V 100PF	
C8614	ECJ1VB1E183K	C CHIP 25V 0.018UF	
C8615	ECJ1VB1H562K	C CHIP 50V 5600PF	
C8616	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8619	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8620	ECJ1VC1H221J	C CHIP 50V 220PF	

Ref. No.	Part No.	Part Name & Description	Remarks
C8621	ECJ1VB0J103K	C CHIP 6.3V 0.01UF	
C8622	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8624	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8625	ECJ1VB1C153K	C CHIP 16V 0.015UF	
C8626	ECJ1VB1C104K	C CHIP 16V 0.1UF	
C8630	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C8632	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C8638	ECJ1VB1C104K	C CHIP 16V 0.1UF	
C8639	ECJ1VB1C104K	C CHIP 16V 0.1UF	
C8640	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8642	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8643	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8644	ECJ1VC1H560J	C CHIP 50V 56PF	
C8645	ECJ1VC1H560J	C CHIP 50V 56PF	
C8648	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8649	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8650	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8651	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8652	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8653	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8806	F1K1A106A005	C CHIP 10V 10UF	
C8808	F1K1A106A005	C CHIP 10V 10UF	
C8809	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8810	ECJ1VC1H391J	C CHIP 50V 390PF	
C8811	ECJ1VB1C104K	C CHIP 16V 0.1UF	
C8812	ECJ1VB1C104K	C CHIP 16V 0.1UF	
C8813	ECJ1VC1H391J	C CHIP 50V 390PF	
C8814	ECJ1VB1A105K	C CHIP 16V 1UF	
C8815	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8816	ECJ1VB1H472K	C CHIP 50V 4700PF	
C8817	F1K1A106A005	C CHIP 10V 10UF	
C8818	F1K1A106A005	C CHIP 10V 10UF	
C8901	ECJ1VC1H680J	C CHIP 50V 68PF	
C8904	ECJ1VC1H471J	C CHIP 50V 470PF	
C8905	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8906	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8907	ECJ1VC1H221J	C CHIP 50V 220PF	
C8911	ECJ1VC1H561J	C CHIP 50V 560PF	
C8950	ECJ1VB1A105K	C CHIP 10V 1UF	
C8951	ECJ1VB1H272K	C CHIP 50V 2700PF	

FILTERS

Ref. No.	Part No.	Part Name & Description	Remarks
FL8401	F1Z1E2220002	EMI FILTER CHIP	
FL8402	J0HAAG000015	EMI FILTER CHIP	
FL8403	J0HAAG000015	EMI FILTER CHIP	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L8002	J0JHC0000027	EMI FILTER CHIP	
L8003	J0JDC0000002	EMI FILTER CHIP	
L8004	J0JCC0000117	EMI FILTER CHIP	
L8005	J0JCC0000215	EMI FILTER CHIP	
L8006	J0JCC0000215	EMI FILTER CHIP	
L8007	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8401	J0JDC0000002	EMI FILTER CHIP	
L8402	G1C270MA0021	INDUCTOR CHIP	
L8403	G1C270MA0021	INDUCTOR CHIP	
L8404	G1C330MA0021	INDUCTOR CHIP	
L8405	G1C330MA0021	INDUCTOR CHIP	
L8406	G1C270MA0021	INDUCTOR CHIP	
L8407	G1C270MA0021	INDUCTOR CHIP	
L8408	J0JDC0000002	EMI FILTER CHIP	
L8411	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8412	J0JHC0000068	EMI FILTER CHIP	
L8413	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8418	J0JBC0000010	EMI FILTER CHIP	
L8419	J0JBC0000010	EMI FILTER CHIP	
L8420	J0JBC0000010	EMI FILTER CHIP	
L8421	J0JBC0000010	EMI FILTER CHIP	
L8422	J0JBC0000010	EMI FILTER CHIP	
L8423	J0JBC0000010	EMI FILTER CHIP	
L8424	J0JBC0000010	EMI FILTER CHIP	
L8426	J0JHC0000078	EMI FILTER CHIP	
L8427	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
L8429	J0JHC0000078	EMI FILTER CHIP	
L8431	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8434	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8501	J0JBC0000010	EMI FILTER CHIP	
L8503	J0JBC0000010	EMI FILTER CHIP	
L8504	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8516	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8517	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8601	J0JDC0000002	EMI FILTER CHIP	
L8602	J0JDC0000002	EMI FILTER CHIP	
L8620	J0JDC0000002	EMI FILTER CHIP	

CRYSTAL OSCILLATOR

Ref. No.	Part No.	Part Name & Description	Remarks
X8001	H0J368500019	CRYSTAL OSCILLATOR	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P8401	K1MN16A00060	CONNECTOR 16P	
P8402	K1MR10B00029	CONNECTOR 10P	
P8801	K1MN13B00062	CONNECTOR 13P	
P8901	K1MN26B00076	CONNECTOR 26P	

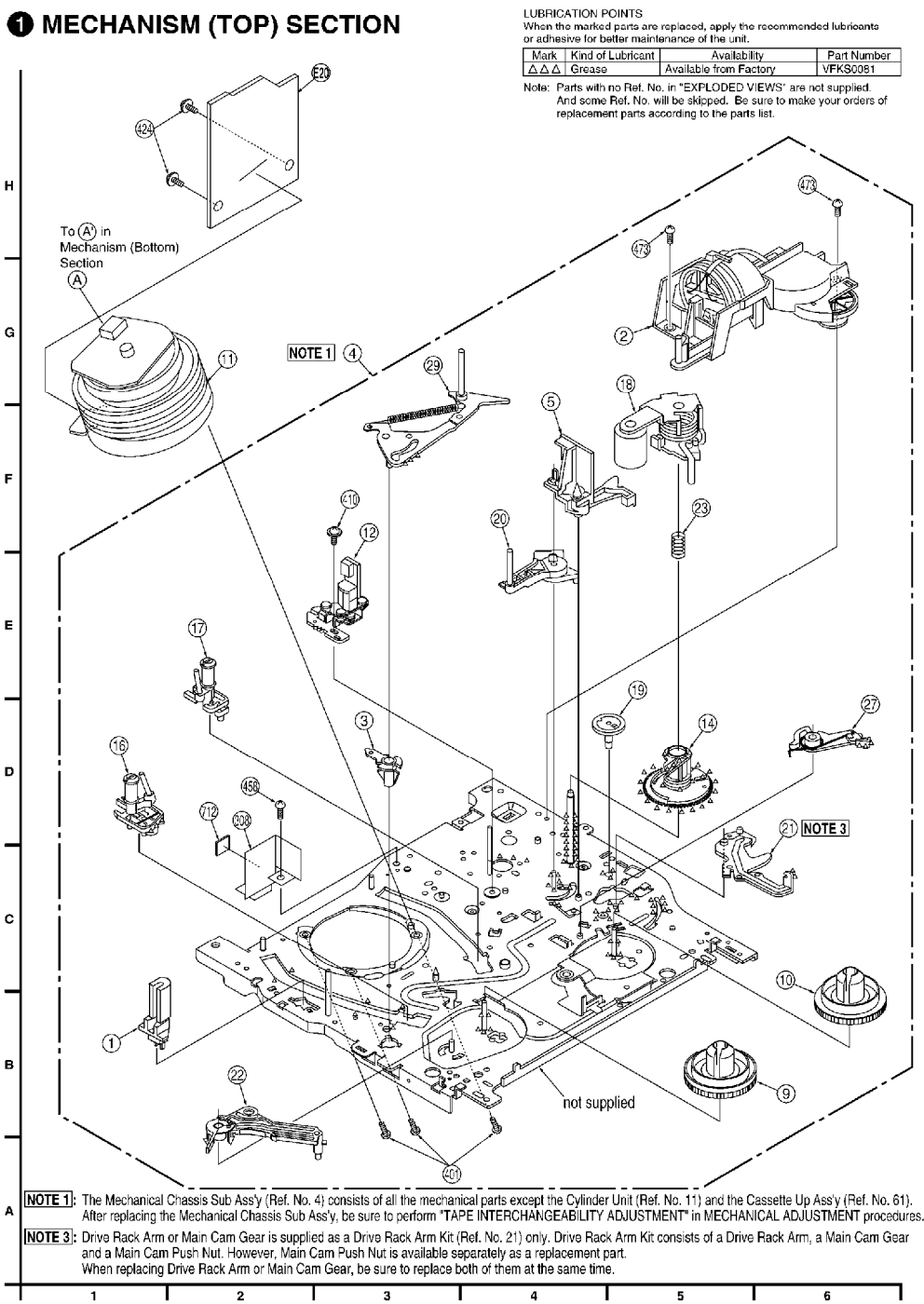
12.3.9. DVD SUB C.B.A.

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW8952	K0L1BA000015	SWITCH PUSH	
SW8953	K0L1BA000014	SWITCH PUSH	

13. EXPLODED VIEWS (Models: PV-DF2703-K/PV-DM2793-K)

13.1. MECHANISM (TOP) SECTION

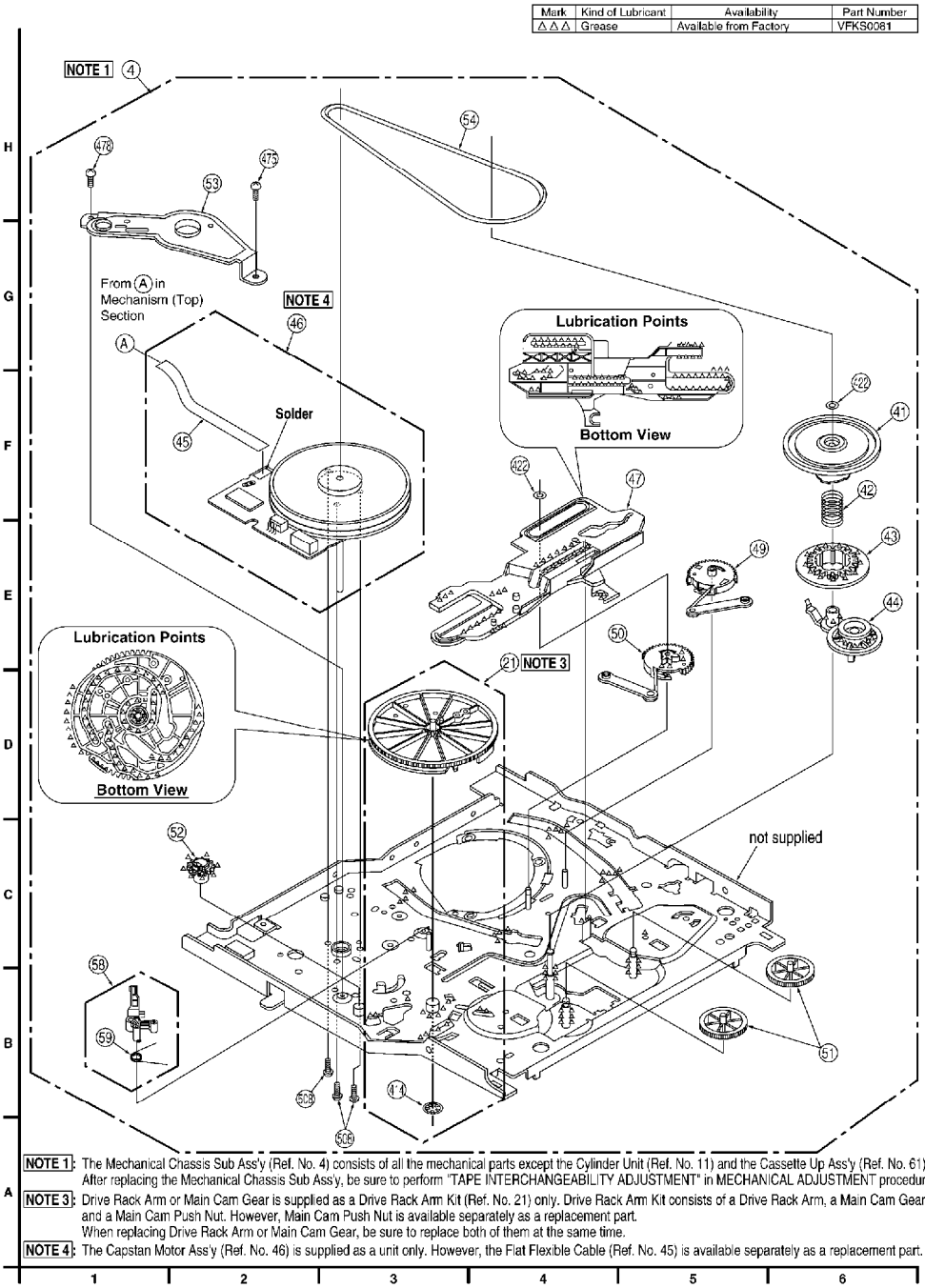

1 MECHANISM (TOP) SECTION
LUBRICATION POINTS
When the marked parts are replaced, apply the recommended lubricants or adhesive for better maintenance of the unit.
Mark | Kind of Lubricant | Availability | Part Number
△△△ | Grease | Available from Factory | VFKS0081
Note: Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
To Ⓐ in Mechanism (Bottom) Section
NOTE 1
NOTE 3
not supplied
NOTE 1: The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61). After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.
NOTE 3: Drive Rack Arm or Main Cam Gear is supplied as a Drive Rack Arm Kit (Ref. No. 21) only. Drive Rack Arm Kit consists of a Drive Rack Arm, a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part.
When replacing Drive Rack Arm or Main Cam Gear, be sure to replace both of them at the same time.

13.2. MECHANISM (BOTTOM) SECTION

❷ MECHANISM (BOTTOM) SECTION

LUBRICATION POINTS
When the marked parts are replaced, apply the recommended lubricants or adhesive for better maintenance of the unit.

Mark	Kind of Lubricant	Availability	Part Number
△△△	Grease	Available from Factory	VFKS0081

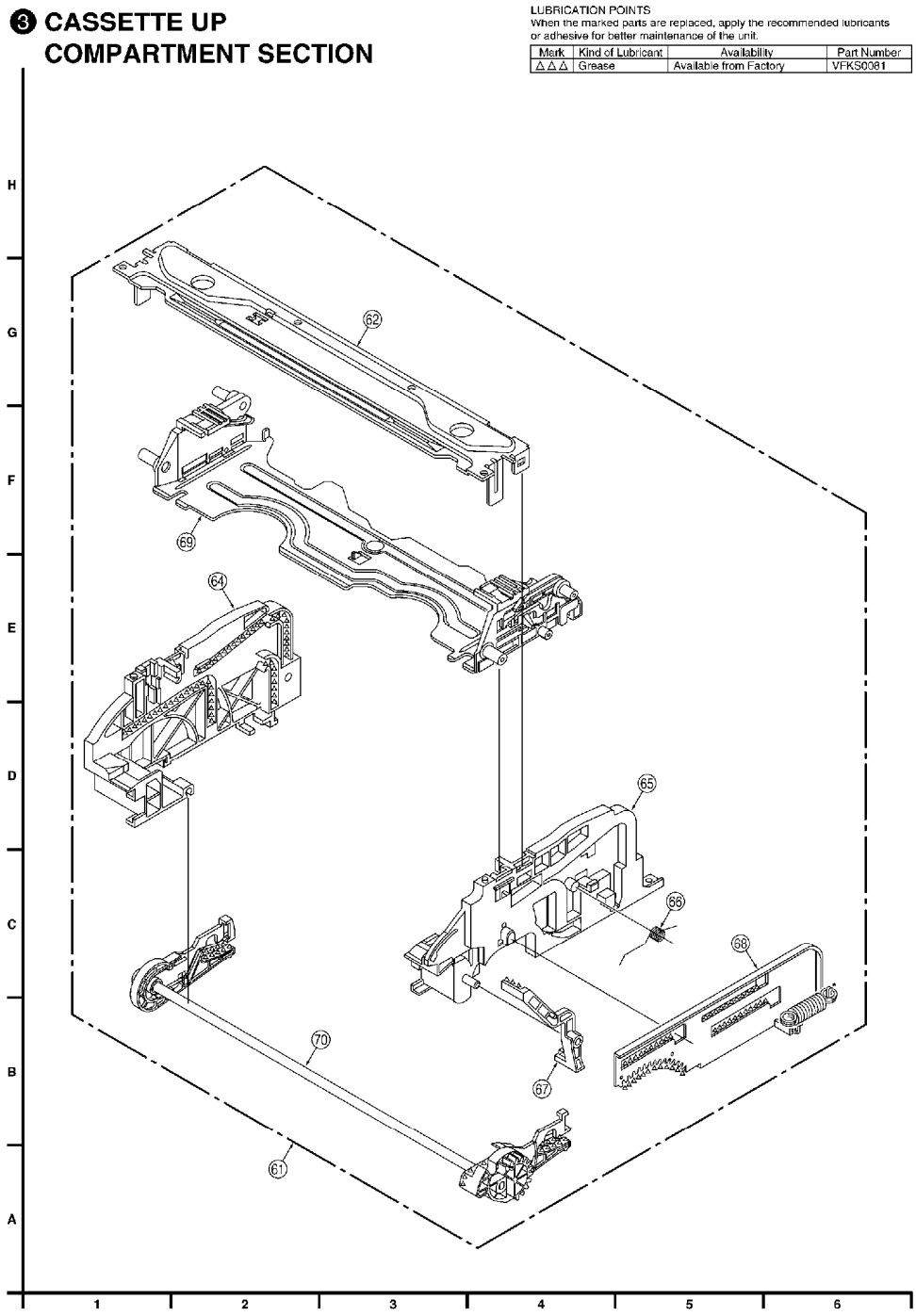


NOTE 1: The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61). After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.

NOTE 3: Drive Rack Arm or Main Cam Gear is supplied as a Drive Rack Arm Kit (Ref. No. 21) only. Drive Rack Arm Kit consists of a Drive Rack Arm, a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part.
When replacing Drive Rack Arm or Main Cam Gear, be sure to replace both of them at the same time.

NOTE 4: The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is available separately as a replacement part.

13.3. CASSETTE UP COMPARTMENT SECTION



13.4. CHASSIS FRAME SECTION (1)

(Model: F)

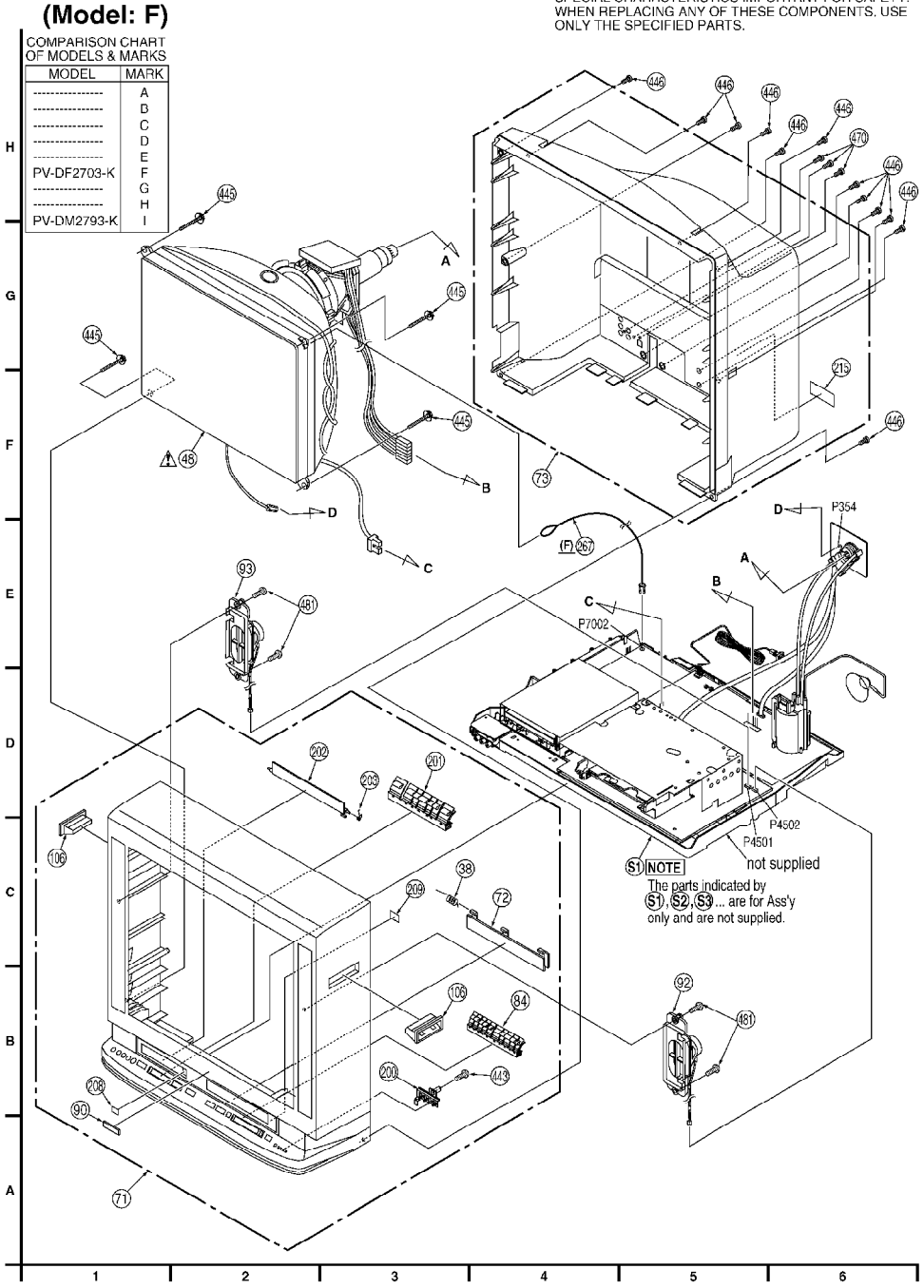
❹ CHASSIS FRAME SECTION (1)

(Model: F)

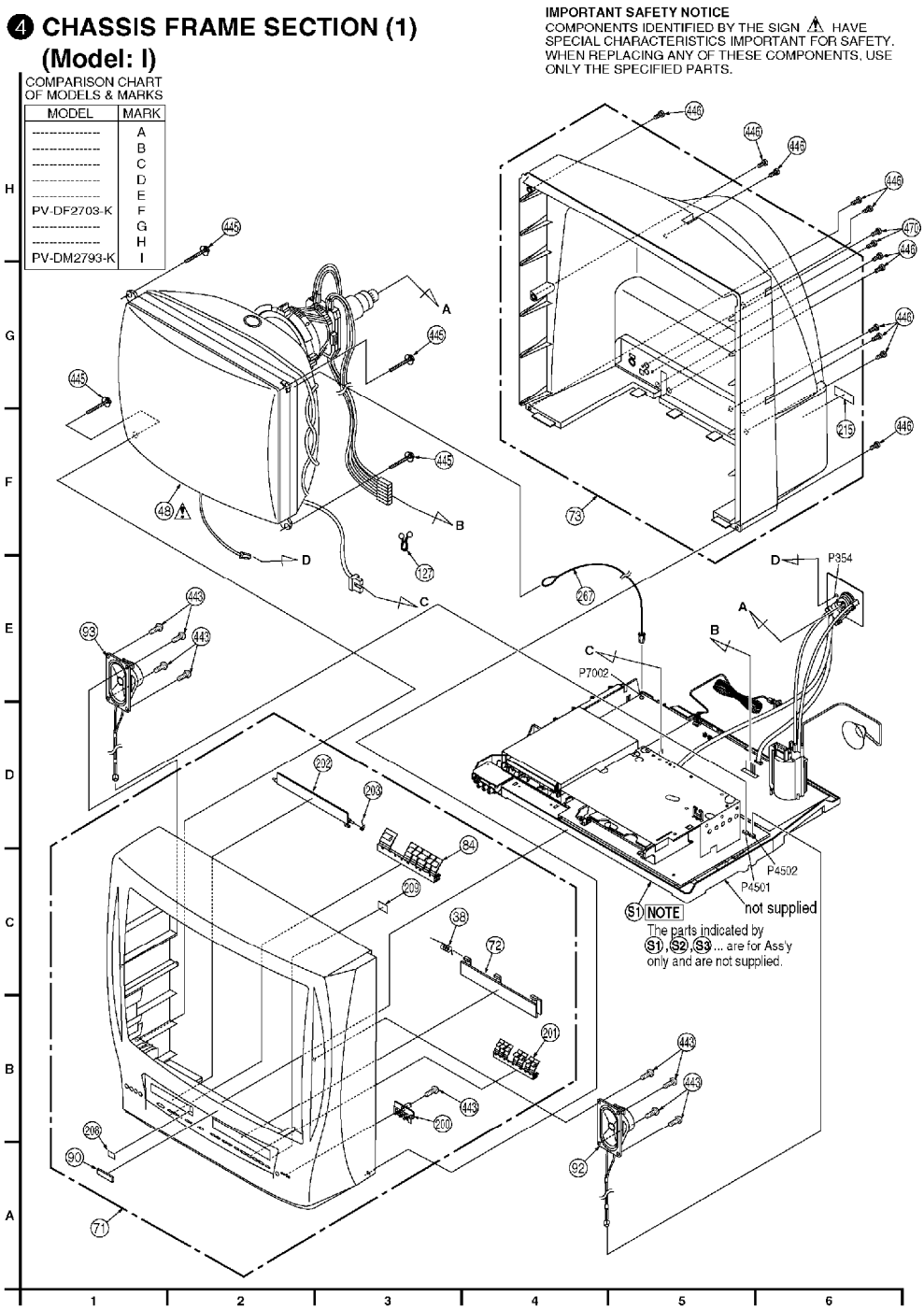
IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

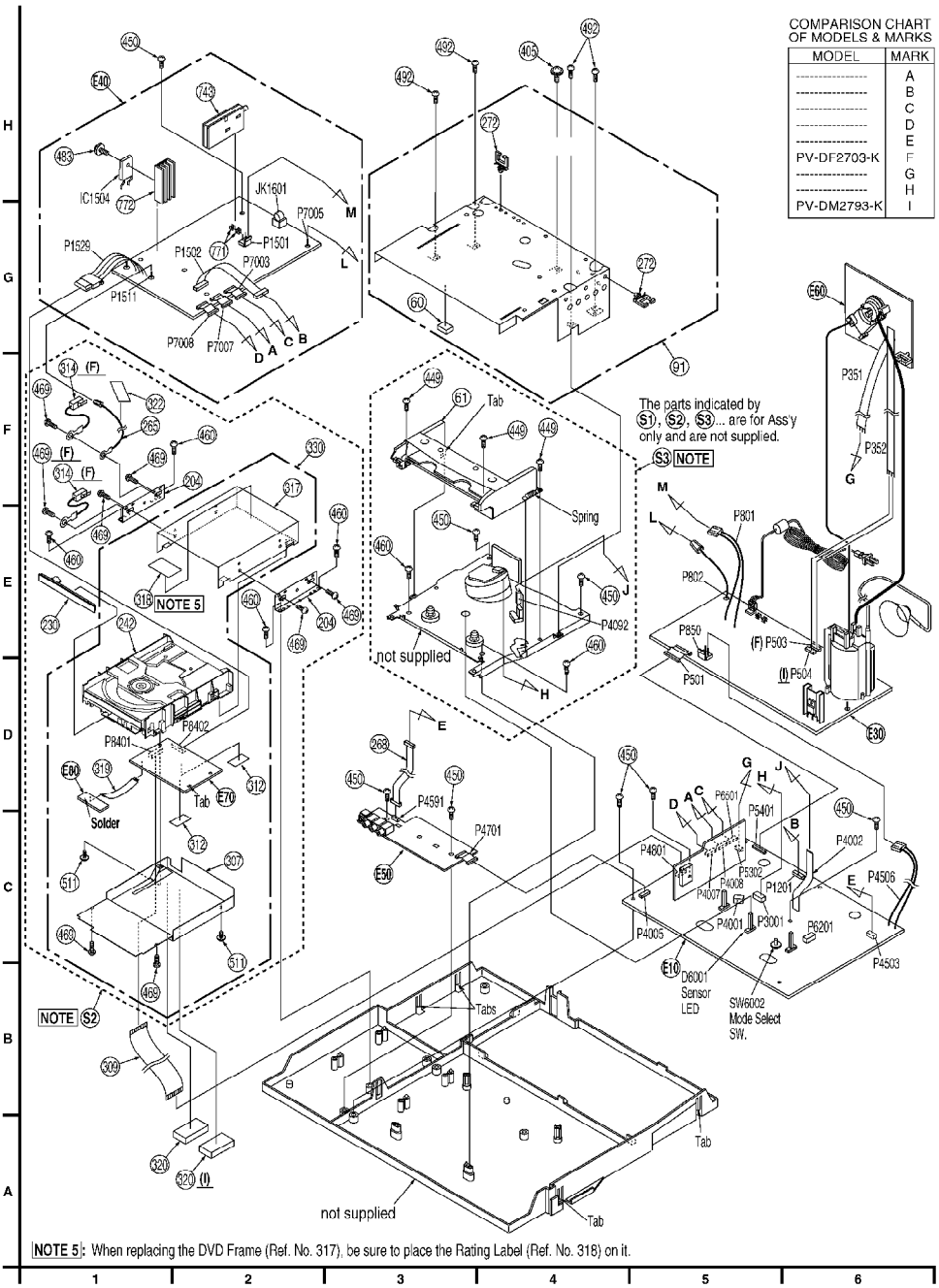


(Model: I)


4 CHASSIS FRAME SECTION (1)
(Model: I)
IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.
COMPARISON CHART OF MODELS & MARKS
MODEL | MARK
---------- | A
---------- | B
---------- | C
---------- | D
---------- | E
PV-DF2703-K | F
---------- | G
---------- | H
PV-DM2793-K | I
P354
P7002
P4502
P4501
not supplied
NOTE
The parts indicated by S1, S2, S3 ... are for Ass'y only and are not supplied.

13.5. CHASSIS FRAME SECTION (2)

❺ CHASSIS FRAME SECTION (2)


COMPARISON CHART OF MODELS & MARKS
MODEL | MARK
PV-DF2703-K | F
PV-DM2793-K | I
The parts indicated by (S1), (S2), (S3)... are for Ass'y only and are not supplied.
(S3) NOTE
not supplied
not supplied
Spring
Tab
Solder
Tabs
Sensor LED
Mode Select SW.
NOTE 5
NOTE (S2)
NOTE 5: When replacing the DVD Frame (Ref. No. 317), be sure to place the Rating Label (Ref. No. 318) on it.

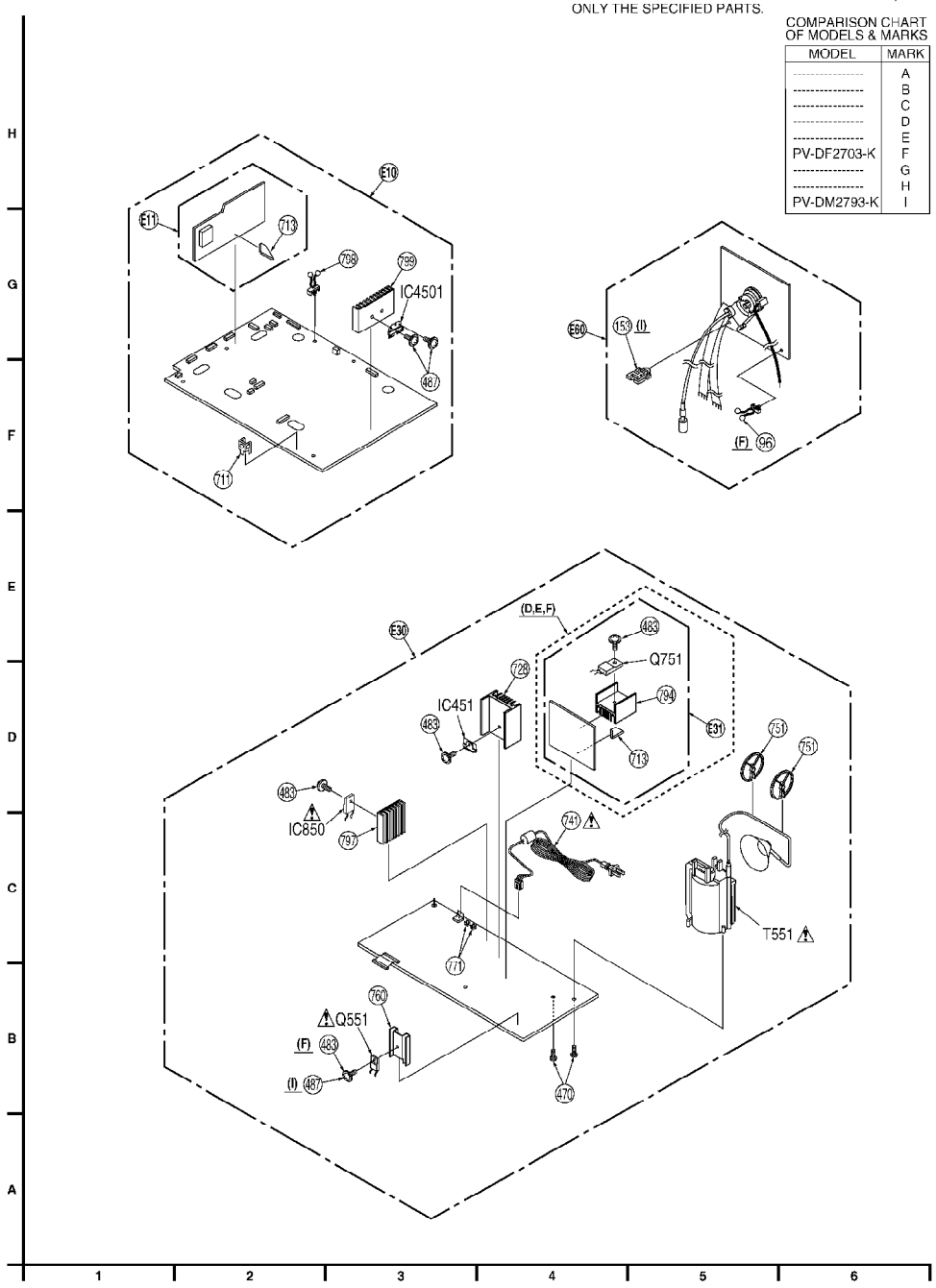
13.6. CHASSIS FRAME SECTION (3)

❻ CHASSIS FRAME SECTION (3)

IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

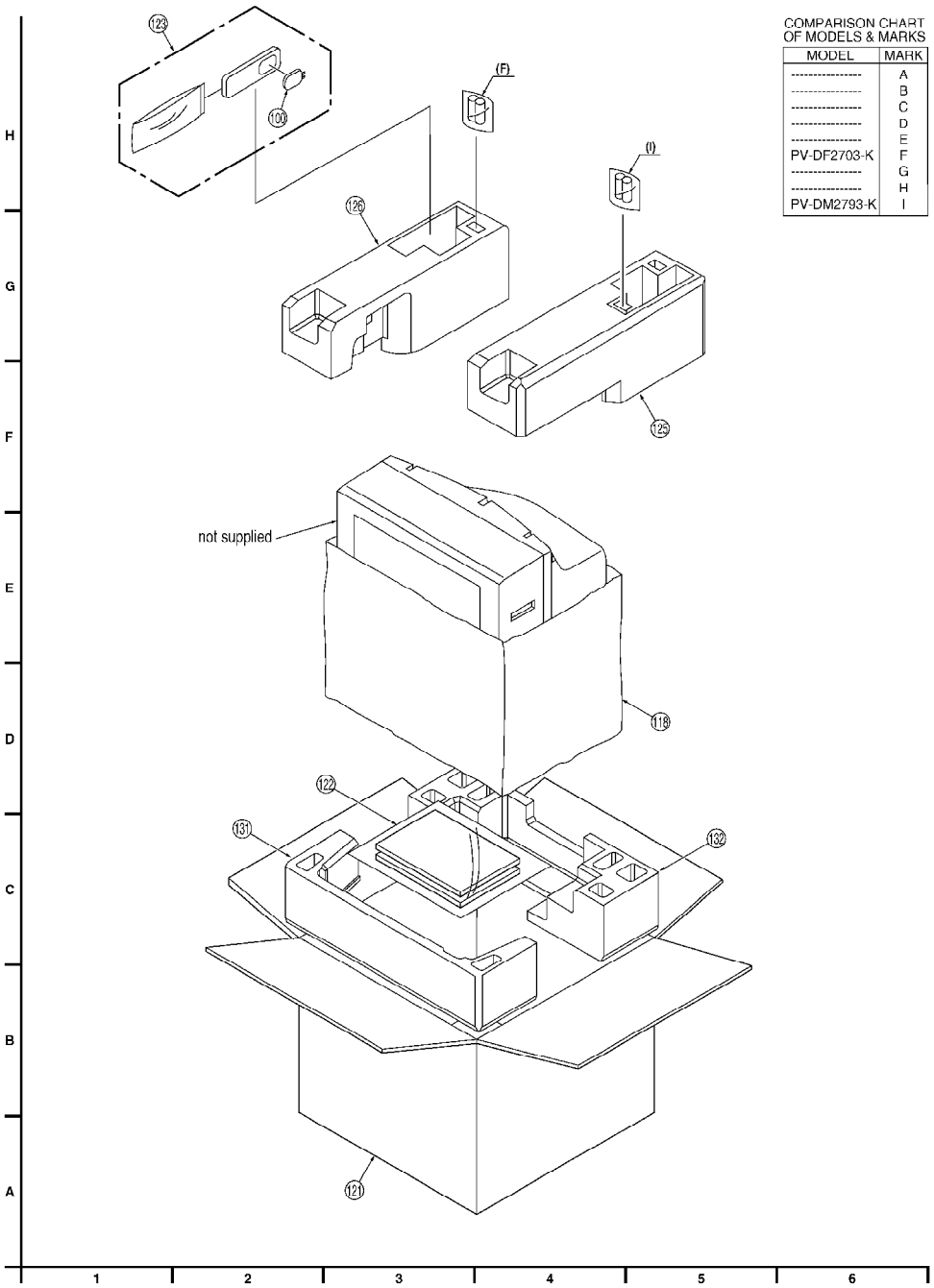
COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I



13.7. PACKING PARTS AND ACCESORIES SECTION

❼ PACKING PARTS AND ACCESORIES SECTION



COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

14. REPLACEMENT PARTS LISTS (Models: PV-DF2703-K/PV-DM2793-K

BEFORE REPLACING PARTS, READ THE FOLLOWING:

14.1. REPLACEMENT NOTES

14.1.1. General Notes

1. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list.

2. **IMPORTANT SAFETY NOTICE**
   Components identified by the sign ⚠ have special characteristics important for safety. When replacing any of these components, use only the specified parts.
3. **SPECIAL NOTE**
   All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.
4. **Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.**
5. **Parts different in shape or size may be used. However, only interchangeable parts will be supplied as service replacement parts.**
6. **Definition of Parts supplier:**
   A. Parts with mark "MKI" in the Remarks column are supplied from MKI.
   B. Parts with mark "MKE" in the Remarks column are supplied from MKE.
   C. Parts with mark "SPC" in the Remarks column are supplied from Spare Parts Center of Panasonic AVC Company.
   D. Parts without mark in the Remarks column are supplied from MKA.
7. **Item numbers with capital letter E (Example: E10, E20,...) in the Ref. No. column are shown in the exploded views.**
8. **Parts whose Ref. Nos. are the same are interchangeable as replacement parts. Any of these parts may be ordered and used as a replacement part.**

14.1.2. Mechanical Replacement Notes

1. **Section No. of parts shown in Exploded Views are indicated in the**

Remarks column.

2. **The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61).**
   After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.
3. **Drive Rack Arm or Main Cam Gear is supplied as a Drive Rack Arm Kit (Ref. No. 21) only. Drive Rack Arm Kit consists of a Drive Rack Arm, a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part. When replacing Drive Rack Arm or Main Cam Gear, be sure to replace both of them at the same time.**
4. **The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is available separately as a replacement part.**
5. **The Infrared Remote Control Unit (Ref. No. 123) replacement part is available as a complete assembly unit only. Do not try to disassemble the Infrared Remote Control Unit. However, the battery cover is available separately as a replacement part.**
6. **Main Cam Push Nut (Ref. No. 414) is not reusable.**
   If removed, install a new one.

14.1.3. Electrical Replacement Notes

1. **Unless otherwise specified;**
   All resistors are in Ω, K = 1,000 Ω, M = 1,000 kΩ.
2. **Abbreviation**

RTL:

Retention Time Limited

This indicates that the retention time is limited for this item. After the discontinuation of this item in production, it will no longer be available.

NR:

Non Repairable Board Ass'y

MGF CHIP:
Metal Glaze Film Chip

C CHIP:
Ceramic Chip

COMPLX CMP:
Complex Component

W FLMPRF:
Wirewound Flameproof

C.B.A.:
Circuit Board Assembly

P.C.B.:
Printed Circuit Board

E.S.D.:
Electrostatically Sensitive Devices

3. **When replacing 0 Ω resistor, a wire can be substituted for it.**
4. **Since the UHF/VHF TUNER/TV DEMODULATOR UNIT (Ref. No. 743) has already been pre-adjusted at the factory, do not try to adjust the UHF/VHF TUNER/TV DEMODULATOR UNIT. The UHF/VHF TUNER/TV DEMODULATOR UNIT replacement part is available as a complete assembly unit only.**
5. **EEP ROM IC (IC6004) replacement note:**
   There are 2 types of EEPROM IC (IC6004) used on the Main C.B.A. (DIP TYPE and SOP TYPE). However, these are same reliability, please refer to "MAIN C.B.A." in CIRCUIT BOARD LAYOUT.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

14.2. MECHANICAL REPLACEMENT PARTS LIST

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

Definition of Parts supplier:

1. **Parts with mark "MKI" in the Remarks column are supplied from MKI.**
2. **Parts with mark "MKE" in the Remarks column are supplied from MKE.**
3. **Parts with mark "SPC" in the Remarks column are supplied from Spare Parts Center of Panasonic AVC Company.**
4. **Parts without mark in the Remarks column are supplied from MKA.**

MECHANICAL REPLACEMENT PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
1	VBSS0033	FULL ERASE HEAD	1
2	LSXK0109	MOTOR BLOCK UNIT	1
3	LSDB0045	TENSION ARM BOSS	1
4	LSXY0463	MECHANICAL CHASSIS SUB ASS'Y	1,2 RTL
5	LSMD0209	OPENER PIECE	1
9	LSDR0004	S REEL TABLE	1
10	LSDR0005	T REEL TABLE	1
11	LSEG0070	CYLINDER UNIT	1
12	LSEH0006	AUDIO CONTROL/ERASE HEAD UNIT	1
14	LSDG0112	LIFT GEAR	1
16	VXDS0213	LOADING POST BASE-S UNIT	1
17	VXDS0214	LOADING POST BASE-T UNIT	1
18	LSXL0079	PINCH ARM UNIT	1
19	LSDG0110	INTERMEDIATE GEAR A	1
20	LSXL0078	P5 ARM UNIT	1
21	LSVD0006	DRIVE RACK ARM KIT	1,2
22	LSXL0077	TENSION CONTROL ARM UNIT	1
23	LSMB0282	PINCH ASSIST SPRING	1
27	VXLS1130	T BRAKE UNIT	1
29	VXLS1129	TENSION ARM UNIT	1
38	LSMB0221	CASSETTE DOOR SPRING	4
41	VXPS0389	CENTER CLUTCH UNIT	2
42	VMBS1151	CHANGING GEAR SPRING	2
43	LSDG0114	CHANGING GEAR	2
44	VXLS1091	IDLER ARM UNIT	2
45	LSJW0027	FLAT FLEXIBLE CABLE W/OUT PLUG,12V DC	2

Ref. No.	Part No.	Part Name & Description	Remarks
46	LSEM0078	CAPSTAN MOTOR ASS'Y	2
47	LSMM0007	MAIN ROD	2
48	LXQVB01273F	COLOR PICTURE TUBE UNIT (F)	4 ⚠
48	LXQVB01279	COLOR PICTURE TUBE UNIT (I)	4 ⚠
49	VXLS1099	S LOADING ARM UNIT	2
50	VXLS1098	T LOADING ARM UNIT	2
51	LSDG0116	REEL GEAR	2
52	LSDG0111	INTERMEDIATE GEAR B	2
53	LSMA0532	SUPPORT ANGLE	2
54	LSDV0009	CAPSTAN BELT SQUARE,ELASTOMER 2MM	2
58	LSXL0087	SS BRAKE ARM UNIT	2
59	LSMB0196	SS BRAKE SPRING	2
60	VMFS0311	CUSHION	5
61	LSXY0483	CASSETTE UP ASS'Y	3,5
62	LSMA0352	TOP PLATE	3
64	LSMD0174	SIDE PLATE L	3
65	LSMD0173	SIDE PLATE R	3
66	LSMB0218	SUPPORT SPRING	3
67	LSML0096	OPENER LEVER	3
68	VXLS1111	DRIVE RACK UNIT	3
69	LSXA0497	HOLDER UNIT	3
70	VXLS1110	WIPER ARM UNIT	3
71	LXQKY1273F3	FRONT CABINET ASS'Y (F)	4
71	LXQKY1273R3	FRONT CABINET ASS'Y (I)	4
72	LXQKF01272F	CASSETTE DOOR-LID UNIT (F)	4
72	LXQKF1202R3	CASSETTE DOOR-LID UNIT (I)	4
73	LXQKV1273F3K	REAR COVER UNIT (F)	4
73	LXQKV1273R3K	REAR COVER UNIT (I)	4
84	LSGU0260	OPERATION BUTTON A (F)	4
84	LSGU0535	OPERATION BUTTON A (I)	4
90	TBMA008	BADGE,ABS RESIN	4
91	LXQUS1273F3K	TOP SHIELD PLATE ASS'Y (F)	5
91	LXQUS1273R3K	TOP SHIELD PLATE ASS'Y (I)	5
92	LXQAS8270RU	SPEAKER UNIT (F)	4
92	LXQAS8270F	SPEAKER UNIT (I)	4
93	LXQAS6270LU	SPEAKER UNIT (F)	4
93	LXQAS6270F	SPEAKER UNIT (I)	4
96	TMM7464-1	CLAMPER (F)	6
100	VKFS2235	BATTERY COVER (F)	7
100	LSKF0517	BATTERY COVER (I)	7
106	LSKH0055	HANDLE (F)	4
118	LSPF0054	BAG,POLYETHYLENE	7
121	LSPG1451	PACKING CASE,PAPER (F)	7
121	LSPG1449	PACKING CASE,PAPER (I)	7
122	LSQF0720	FAN BAG (F)	7
122	LSQF0718	FAN BAG (I)	7
123	LSSQ0302	INFRARED REMOTE CONTROL UNIT (F)	7
123	LSSQ0372	INFRARED REMOTE CONTROL UNIT (I)	7
125	LSPN0177	TOP CUSHION RIGHT,STYROFOAM (F)	7
125	LSPN0253	TOP CUSHION RIGHT,STYROFOAM (I)	7
126	LSPN0176	TOP CUSHION LEFT,STYROFOAM (F)	7
126	LSPN0252	TOP CUSHION LEFT,STYROFOAM (I)	7
127	TMM6463-1	CLAMPER (I)	4

Ref. No.	Part No.	Part Name & Description	Remarks
131	LSPN0174	BOTTOM CUSHION FRONT,STYROFOAM (F)	7
131	LSPN0254	BOTTOM CUSHION FRONT,STYROFOAM (I)	7
132	LSPN0175	BOTTOM CUSHION REAR,STYROFOAM (F)	7
132	LSPN0337	BOTTOM CUSHION REAR,STYROFOAM (I)	7
153	TMM7443-1	CLAMPER (I)	6
200	LSGL0341	PANEL LIGHT (F)	4
200	LSGL0384	PANEL LIGHT (I)	4
201	LSGU0261	OPERATION BUTTON B (F)	4
201	LSGU0537	OPERATION BUTTON B (I)	4
202	LXQKF02272F	DVD DISK DOOR-LID UNIT (F)	4
202	LXQKF2202R3	DVD DISK DOOR-LID UNIT (I)	4
203	LSMB0170	DVD CASSETTE DOOR SPRING	4
204	LSMA0438	MOUNT PLATE,STEEL (F)	5
204	LSMA0629	MOUNT PLATE,STEEL (I)	5
208	TMK77708	CUSHION,RUBBER	4
209	VMFS0213	SHEET,NYLON+RAYON	4
215	LSQL1421	DOLBY & DTS CAUTION LABEL	4
230	LSKF0526	TRAY COVER	5
242	LSXK0118	DVD MECHANISM UNIT	5 MKI
265	VEKS9427	CONNECTOR CABLE W/PLUG,0V	5
267	VEKS5893	FM RADIO ANTENNA CORD,0V	4
268	VEKS5884	CONNECTOR CABLE W/PLUG,	5
272	TMM77412	CLAMPER	5
307	LSMA0648	SHIELD CASE	5
308	LSSC0518	A/C SHIELD PLATE	1
309	LSJW0041	FLAT FLEXIBLE CABLE W/OUT PLUG,	5
312	LMMY0030	HEAT SHEET,SI	5
314	VEKS5872	GROUNDING CABLE W/PLUG,0V (F)	5
317	LMMK0201	DVD FRAME	5
318	LSQL1414	RATING LABEL	5
319	LSJW0029	FLAT FLEXIBLE CABLE,	5
320	J0KD00000022	FERRITE CORE	5
322	TMK76073	SHEET,NYLON+RAYON	5
330	LSXK0105-A	DVD BLOCK	5
401	VHDS0475	SCREW,STEEL	1
405	VHDS0496	SCREW W/WASHER,STEEL	5
410	VHDS0498	SCREW W/WASHER,STEEL	1
414	VHNS0070	MAIN CAM PUSH NUT,STEEL	2
422	XWGV2D5G	WASHER,NYLON	2
424	XYC26+SF6J	SCREW W/WASHER,STEEL	1
443	XTV4+12A	TAPPING SCREW,STEEL	4
445	LHT60001Y	SCREW W/WASHER,STEEL	4
446	XTV4+16A	TAPPING SCREW,STEEL	4
449	VHDS0493	TAPPING SCREW,STEEL	5
450	VHDS0309	SCREW,STEEL	5
458	XTV3+8J	TAPPING SCREW,STEEL	1
460	XTN4+12A	TAPPING SCREW,STEEL	5
469	XSN3+6	SCREW,STEEL	5
470	XTV3+10G	TAPPING SCREW,STEEL	4,6
473	XYN26+C6	SCREW W/WASHER,STEEL	1
475	XTV26+5FJ	TAPPING SCREW,STEEL	2
478	VHDS0495	SCREW,STEEL	2
481	XTW4+Z15D	TAPPING SCREW,STEEL (F)	4
483	XYN3+F10S	SCREW W/WASHER,STEEL	5,6

Ref. No.	Part No.	Part Name & Description	Remarks
487	XYN3+J8	SCREW W/WASHER,STEEL	6
492	VHDS0274	TAPPING SCREW,STEEL	5
508	XTB26+6J	TAPPING SCREW,STEEL	2
511	XYC26+CF8	SCREW W/WASHER,STEEL	5
711	PNA4611M00HC	INFRARED RECEIVER UNIT	6
712	VMTS0035	CUSHION,RUBBER	1
713	VMAS1912	P.C.B. SUPPORT ANGLE	6
728	LSSC0254	HEAT SINK	6
741	LSJA03492017	AC CORD W/PLUG,120V	6 ⚠
743	ENG36715G	TUNER,UHF/VHF NR	5
751	LML69001A	ANODE LEAD CLAMPER	6
760	TUC77628	HEAT SINK	6
771	EYF52BC	FUSE HOLDER	5,6
772	LSSC0408	HEAT SINK	5
794	TUC15776	HEAT SINK (F)	6
797	LSSC0562	HEAT SINK	6
798	TMM7464-1R	CLAMPER	6
799	LSSC0584	AMP HEAT SINK	6
E10	LSEP2073B	MAIN C.B.A. (F)	5,6 RTL
E10	LSEP2073C	MAIN C.B.A. (I)	5,6 RTL
E11	LSEP2076B	AUDIO C.B.A. (F)	6 RTL
E11	LSEP2076C	AUDIO C.B.A. (I)	6 RTL
E20	LSEP2010A	Hi-Fi AUDIO/VIDEO HEAD AMP C.B.A.	1 RTL
E30	LSEP2074A	TV MAIN C.B.A. (F)	5,6 RTL
E30	LSEP2074C	TV MAIN C.B.A. (I)	5,6 RTL
E31	LSEP2075A	DEFLECTION C.B.A. (F)	5 RTL
E40	LSEP2078A	POWER SUPPLY C.B.A. (F)	5 RTL
E40	LSEP2078B	POWER SUPPLY C.B.A. (I)	5 RTL
E50	LSEP2077A	OPERATION C.B.A. (F)	5 RTL
E50	LSEP2077B	OPERATION C.B.A. (I)	5 RTL
E60	LSEP2079A	CRT C.B.A. (F)	5,6 RTL
E60	LRP63022P	CRT C.B.A. (I)	5,6 RTL
E70	LSEP2091F1	DVD MAIN C.B.A.	5 RTL
E80	LSEP2014A	DVD SUB C.B.A.	5 RTL

SERVICE FIXTURES AND TOOLS

Ref. No.	Part No.	Part Name & Description	Remarks
	VFMS0003H6	VHS ALIGNMENT TAPE	MKE
	VFKS0081	GREASE	MKE
	VFK0329	POST ADJUSTMENT DRIVER	MKE
	VFK27	HEAD CLEANING STICK	MKE
	VFK0330	H-POSITION ADJUSTMENT DRIVER	MKE
	DVDT-S01	DVD TEST DISC	SPC

14.3. ELECTRICAL REPLACEMENT PARTS LIST

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

Definition of Parts supplier:

1. All parts are supplied from MKA.

PRINTED CIRCUIT BOARD ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Remarks
E10	LSEP2073B	MAIN C.B.A. (F)	E.S.D. RTL
E10	LSEP2073C	MAIN C.B.A. (I)	E.S.D. RTL
E11	LSEP2076B	AUDIO C.B.A. (F)	E.S.D. RTL
E11	LSEP2076C	AUDIO C.B.A. (I)	E.S.D. RTL
E20	LSEP2010A	Hi-Fi AUDIO/VIDEO HEAD AMP C.B.A.	RTL
E30	LSEP2074A	TV MAIN C.B.A. (F)	RTL
E30	LSEP2074C	TV MAIN C.B.A. (I)	RTL
E31	LSEP2075A	DEFLECTION C.B.A. (F)	RTL
E40	LSEP2078A	POWER SUPPLY C.B.A. (F)	RTL
E40	LSEP2078B	POWER SUPPLY C.B.A. (I)	RTL
E50	LSEP2077A	OPERATION C.B.A. (F)	RTL
E50	LSEP2077B	OPERATION C.B.A. (I)	RTL
E60	LSEP2079A	CRT C.B.A. (F)	RTL
E60	LRP63022P	CRT C.B.A. (I)	RTL
E70	LSEP2091F1	DVD MAIN C.B.A.	E.S.D. RTL
E80	LSEP2014A	DVD SUB C.B.A.	RTL

14.3.1. MAIN C.B.A.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC3001	AN3479FBP-A	IC, LINEAR	.
IC3201	MN3885S	IC, CCD 1H DELAY	E.S.D.
IC3303	C1AB00001682	IC, LINEAR	
IC3303	C1AB00001519	IC, LINEAR	
IC3351	C1AB00001487	IC, LINEAR	
IC4501	AN7522N	IC, LINEAR	
IC5301	AN15167A-VT	IC, LINEAR	
IC5302	C1AB00001681	IC, LINEAR	
IC5302	C1AB00000399	IC, LINEAR	
IC5302	C1AB00001518	IC, LINEAR	
IC5351	C1AB00001681	IC, LINEAR	
IC5351	C1AB00000399	IC, LINEAR	
IC5351	C1AB00001518	IC, LINEAR	
IC5361	C1AB00001682	IC, LINEAR (F)	
IC5361	C1AB00001519	IC, LINEAR (F)	
IC6001	MN101D06HCJ	IC, 8BIT MICROCONTROLLER (F)	E.S.D.
IC6001	MN101D06GCF	IC, 8BIT MICROCONTROLLER (I)	E.S.D.
IC6002	B3NAA0000049	PHOTO INTERRUPUTER	
IC6003	B3NAA0000049	PHOTO INTERRUPUTER	
IC6004	LSSK0013	IC, 2K EEP ROM (F)	E.S.D.
IC6004	LSSK0014	IC, 2K EEP ROM (I)	E.S.D.
IC6005	C0EBJ0000080	IC, CMOS STANDARD LOGIC	E.S.D.
IC6005	C0EBJ0000099	IC, CMOS STADNARD LOGIC	E.S.D.
IC6005	RN5VS47CA-TR	IC, CMOS STANDARD LOGIC	E.S.D.

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q3001	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q3001	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q3002	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q3002	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q3004	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q3004	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q3305	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q3305	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q4001	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q4001	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q4002	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q4003	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q4101	2SD0601ARL	TRANSISTOR SI NPN CHIP	
Q4102	UNR221200L	TRANSISTOR SI NPN CHIP	
Q4102	B1GBCFLL0002	TRANSISTOR SI NPN CHIP	
Q4103	UNR221200L	TRANSISTOR SI NPN CHIP	
Q4103	B1GBCFLL0002	TRANSISTOR SI NPN CHIP	
Q4171	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q4171	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5301	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q5301	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q5302	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5302	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5901	2SD225900A	TRANSISTOR SI NPN	
Q5902	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5902	B1ABCF000020	TRANSISTOR SI NPN CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
Q6001	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q6001	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q6002	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6002	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q6003	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6003	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q6004	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q6004	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q6005	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q6005	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q6006	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6006	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q6009	VEKS5707	PHOTO SENSOR UNIT	
Q6010	VEKS5707	PHOTO SENSOR UNIT	
Q6013	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6013	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q6014	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6014	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q6302	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q6302	B1ADCF000001	TRANSISTOR SI PNP CHIP	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D4171	MA2C165001VT	DIODE SI	
D4171	B0AACK000004	DIODE SI	
D4171	1SS119	DIODE SI	
D4589	MA2C165001VT	DIODE SI	
D4589	B0AACK000004	DIODE SI	
D4589	1SS119	DIODE SI	
D4590	MA2C165001VT	DIODE SI	
D4590	B0AACK000004	DIODE SI	
D4590	1SS119	DIODE SI	
D5304	MA2C165001VT	DIODE SI	
D5304	B0AACK000004	DIODE SI	
D5304	1SS119	DIODE SI	
D5501	MAZ40620L1KT	DIODE ZENER 6.2V	⚠
D6001	VEKS5708	SENSOR LED UNIT	
D6003	MA2C165001VT	DIODE SI	
D6003	B0AACK000004	DIODE SI	
D6003	1SS119	DIODE SI	
D6005	MA2C165001VT	DIODE SI	
D6005	B0AACK000004	DIODE SI	
D6005	1SS119	DIODE SI	
D6301	B3AAA0000538	LIGHT EMITTING DIODE RED	
D6302	B3AAA0000538	LIGHT EMITTING DIODE RED	
D6303	B3ABA0000400	LIGHT EMITTING DIODE GREEN	
D6304	B3ACA0000192	LIGHT EMITTING DIODE ORANGE	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R3001	ERDS2TJ101	CARBON 1/4W 100	
R3006	ERDS2TJ101	CARBON 1/4W 100	
R3016	ERJ6GEYJ121V	MGF CHIP 1/10W 120	
R3017	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R3024	ERJ6GEYJ391V	MGF CHIP 1/10W 390	
R3025	ERJ6GEYJ125V	MGF CHIP 1/10W 1.2M	
R3026	ERJ6GEYJ474V	MGF CHIP 1/10W 470K	
R3028	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R3029	ERJ6GEYJ151V	MGF CHIP 1/10W 150	
R3032	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R3035	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R3036	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3037	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3038	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R3076	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R3077	ERJ6GEYJ101V	MGF CHIP 1/10W 100 (F)	
R3078	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R3079	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3080	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3083	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R3084	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3323	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R3328	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3343	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R3347	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R3349	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R3351	ERJ6GEYJ181V	MGF CHIP 1/10W 180	
R3353	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R4001	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4002	ERJ6GEYJ334V	MGF CHIP 1/10W 330K	
R4003	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R4004	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4005	ERJ6GEYJ225V	MGF CHIP 1/10W 2.2M	
R4006	ERJ6GEYJ681V	MGF CHIP 1/10W 680	
R4007	ERJ6GEYJ821V	MGF CHIP 1/10W 820	
R4008	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R4009	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4010	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4011	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R4012	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R4014	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R4015	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R4031	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4032	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R4051	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	
R4052	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R4101	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R4102	ERJ6GEYJ154V	MGF CHIP 1/10W 150K	
R4103	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R4104	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4172	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4175	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4176	ERDS2TJ222T	CARBON 1/4W 2.2K	
R4505	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	

Ref. No.	Part No.	Part Name & Description	Remarks
R4506	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4524	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4525	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4526	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R4527	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R4528	ERJ6GEYJ683V	MGF CHIP 1/10W 68K	
R4531	ERJ6GEYJ274V	MGF CHIP 1/10W 270K	
R5301	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R5302	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5303	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R5304	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	
R5305	ERJ6GEYJ224V	MGF CHIP 1/10W 220K	
R5306	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5308	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	
R5309	ERJ6GEYJ184V	MGF CHIP 1/10W 180K	
R5311	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5312	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5313	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5314	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R5315	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R5316	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R5317	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5318	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R5321	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5324	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5327	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5328	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5329	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5351	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5361	ERJ6GEYJ101V	MGF CHIP 1/10W 100 (F)	
R5401	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R5402	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	
R5403	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R5405	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R5406	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5407	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5501	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R5502	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	
R5503	ERDS2TJ471	CARBON 1/4W 470	
R5504	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5505	ERJ6ENF3241V	MGF CHIP 1/10W 3.24K	⚠
R5506	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5508	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R5509	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5510	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5511	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5512	ERJ6GEYJ151V	MGF CHIP 1/10W 150	
R5513	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5515	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R5604	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R5902	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5904	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R5932	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5933	ERJ6GEYJ101V	MGF CHIP 1/10W 100	

Ref. No.	Part No.	Part Name & Description	Remarks
R5942	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R6001	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6002	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6003	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6004	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6005	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6006	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6007	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6008	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6009	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6010	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6011	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R6012	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R6013	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6014	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6015	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6016	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6017	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6018	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6019	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6020	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6021	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6022	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R6023	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6024	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6026	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6027	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6028	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6029	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6030	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6031	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6032	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6035	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6040	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6041	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6042	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6043	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6044	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6045	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6046	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6047	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6049	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R6050	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6053	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6054	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6055	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6056	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6057	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6058	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6059	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6060	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6061	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6062	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6063	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	

Ref. No.	Part No.	Part Name & Description	Remarks
R6064	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6066	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6067	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6078	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6080	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R6081	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R6082	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6083	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6085	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6086	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6087	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6088	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6089	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6090	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6091	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6092	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6093	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6094	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6097	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6098	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6099	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6100	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6113	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6114	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R6115	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6116	ERDS2TJ101	CARBON 1/4W 100	
R6118	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R6119	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6120	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R6121	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6122	ERJ6GEYJ181V	MGF CHIP 1/10W 180	
R6123	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6124	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6126	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6127	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6130	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6131	ERJ6GEYJ183V	MGF CHIP 1/10W 18K	
R6132	ERJ6GEYJ391V	MGF CHIP 1/10W 390	
R6133	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6134	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6135	ERJ6GEYJ475V	MGF CHIP 1/10W 4.7M	
R6136	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R6137	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6138	ERDS2TJ560T	CARBON 1/4W 56	
R6143	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6144	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6150	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R6160	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6161	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6162	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6164	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6165	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6166	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6190	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	

Ref. No.	Part No.	Part Name & Description	Remarks
R6191	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6192	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6193	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6194	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6195	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6201	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6202	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6203	ERJ6GEYJ274V	MGF CHIP 1/10W 270K	
R6204	ERJ6GEYJ184V	MGF CHIP 1/10W 180K	
R6205	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6207	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6208	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R6209	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6210	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R6211	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6212	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R6301	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6302	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6303	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6304	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6305	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6306	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6307	ERJ6GEYJ123V	MGF CHIP 1/10W 12K	
R6308	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6309	ERJ6GEYJ123V	MGF CHIP 1/10W 12K	
R6316	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6317	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6318	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6319	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6320	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6321	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6322	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C3002	ECJ2VC1H020C	C CHIP 50V 2P	
C3003	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3004	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3006	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3007	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C3008	ECJ2VC1H181J	C CHIP 50V 180PF	
C3009	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C3010	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3012	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF (I)	
C3013	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C3015	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C3016	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3018	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C3019	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3020	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C3021	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF (F)	
C3022	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C3023	ECJ2VC1H680J	C CHIP 50V 68PF	
C3024	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3025	ECJ2VB1C104K	C CHIP 16V 0.1UF	
C3026	ECJ2VB1H822K	C CHIP 50V 8200PF	
C3027	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3028	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF (F)	
C3030	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3031	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3032	ECJ2VF1C474Z	C CHIP 16V 0.47UF	
C3034	ECJ2VC1H181J	C CHIP 50V 180PF	
C3035	ECJ2VC1H330J	C CHIP 50V 33PF	
C3036	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3037	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C3038	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3041	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3043	ECJ2VB1H392K	C CHIP 50V 3900PF	
C3044	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3045	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C3046	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3047	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C3048	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3050	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3055	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3056	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3057	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3058	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3083	ECJ2VB1H152K	C CHIP 50V 1500PF	
C3084	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3231	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C3232	ECJ2VB1H102K	C CHIP 50V 1000PF	
C3234	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C3235	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3236	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3237	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3329	ECJ2VC1H220J	C CHIP 50V 22PF	
C3330	ECEA1CKA100	ELECTROLYTIC 16V 10UF (F)	
C3331	ECEA1CKA100	ELECTROLYTIC 16V 10UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C3332	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3352	ECJ2VC1H220J	C CHIP 50V 22PF	
C3353	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3355	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3356	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4001	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C4002	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4003	ECJ2VB1H272K	C CHIP 50V 2700PF	
C4004	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4005	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	
C4006	ECJ2VB1H102K	C CHIP 50V 1000PF	
C4007	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	
C4008	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C4009	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4010	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C4011	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4012	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4013	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C4014	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4051	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C4102	ECQB1562JF3	POLYESTER 100V 5600PF	
C4103	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4104	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4105	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C4171	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4518	ECA1CM471B	ELECTROLYTIC 16V 470UF	
C4520	ECA1CM471B	ELECTROLYTIC 16V 470UF	
C4527	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4528	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4529	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4530	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4531	ECJ2VB1H332K	C CHIP 50V 3300PF	
C4532	ECJ2VB1H332K	C CHIP 50V 3300PF	
C5301	ECEA1CKN100	ELECTROLYTIC 16V 10UF	
C5302	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C5303	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C5305	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5306	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5307	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5308	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5310	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5311	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5312	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5351	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5352	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5353	ECJ2VC1H220J	C CHIP 50V 22PF	
C5354	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5361	ECEA1CKA100	ELECTROLYTIC 16V 10UF (F)	
C5362	ECEA1CKA100	ELECTROLYTIC 16V 10UF (F)	
C5363	ECJ2VC1H220J	C CHIP 50V 22PF (F)	
C5364	ECEA1CKA100	ELECTROLYTIC 16V 10UF (F)	
C5401	VCUSTBC224KB	C CHIP 16V 0.22UF	
C5402	ECJ2VB1H222K	C CHIP 50V 2200PF	
C5403	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C5501	ECJ2VB1E183K	C CHIP 25V 0.018UF	
C5502	ECJ2VB1H681K	C CHIP 50V 680PF	
C5505	ECA1CM221	ELECTROLYTIC 16V 220UF	
C5506	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5507	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5508	ECUV1H221JSN	C CHIP 50V 220PF	
C5510	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5511	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C5516	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C5601	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5602	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C5603	ECJ2VC1H150J	C CHIP 50V 15PF	
C5604	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5605	ECJ2VB1E153K	C CHIP 25V 0.015UF	
C5902	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C5903	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C5904	ECJ2VB1C104K	C CHIP 16V 0.1UF	
C5905	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C5906	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5907	ECJ2VF1H103Z	C CHIP 50V 0.01UF (I)	
C5908	ECEA1CKA100	ELECTROLYTIC 16V 10UF (I)	
C5932	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C6001	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
C6002	ECJ2VC1H080C	C CHIP 50V 8PF	
C6003	ECJ2VC1H100C	C CHIP 50V 10PF	
C6004	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C6006	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6009	ECEA1CKS100	ELECTROLYTIC 16V 10UF	
C6013	ECJ2VC1H101J	C CHIP 50V 100PF	
C6017	ECJ2VC1H101J	C CHIP 50V 100PF	
C6018	ECJ2VC1H101J	C CHIP 50V 100PF	
C6020	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6021	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6023	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6029	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6040	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6041	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6044	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C6050	ECJ2VC1H181J	C CHIP 50V 180PF	
C6201	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6202	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6203	ECJ2VB1H332K	C CHIP 50V 3300PF	
C6204	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6207	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6208	ECEA1CKS100	ELECTROLYTIC 16V 10UF	
C6209	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6212	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6213	ECEA0JKS331I	ELECTROLYTIC 6.3V 330UF	
C6214	ECEA0JKS220	ELECTROLYTIC 6.3V 22UF	
C6215	ECJ2VB1H272K	C CHIP 50V 2700PF	
C6216	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6220	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C6221	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6302	ECJ2VF1H104Z	C CHIP 50V 0.1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C6401	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6402	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6403	ECEA1HKS010	ELECTROLYTIC 50V 1UF	
C6404	ECJ2VC1H121J	C CHIP 50V 120PF	
C6406	ECEA1HKS010	ELECTROLYTIC 50V 1UF	
C6408	ECJ2VB1H222K	C CHIP 50V 2200PF	
C6410	ECJ2VB1H103K	C CHIP 50V 0.01UF	

FILTERS

Ref. No.	Part No.	Part Name & Description	Remarks
FL4051	VLFS0014	FILTER	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L3001	G0C390KA0045	COIL 39UH	
L3002	VLQSAB7D101K	COIL 100UH	
L3005	G0C330KA0045	COIL 33UH	
L3010	VLQSAB7D470K	COIL 47UH	
L3231	ELESN221KA	COIL 220UH	
L4001	ELELN153KA	COIL 15MH	
L4002	ELESN101KA	COIL 100UH	
L4004	G0C100KA0045	COIL 10UH	
L4101	ELESN471KA	COIL 470UH	
L5901	ELESN101KA	COIL 100UH	
L6201	ELEXT101KE04	COIL 100UH	
L6401	ELEXT101KE04	COIL 100UH	
L6402	J0JBC0000022	CHIP BEAD INDUCTOR	
L6403	J0JBC0000022	CHIP BEAD INDUCTOR	
L6404	J0JBC0000022	CHIP BEAD INDUCTOR	
L6405	J0JBC0000022	CHIP BEAD INDUCTOR	

CRYSTAL OSCILLATOR

Ref. No.	Part No.	Part Name & Description	Remarks
X3001	H0D357400071	CRYSTAL OSCILLATOR	
X5501	H2A503300012	CRYSTAL OSCILLATOR	
X5601	VSXS0208-A	CRYSTAL OSCILLATOR	
X6001	VSXS0784	CRYSTAL OSCILLATOR	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P1201	K1KA11A00073	CONNECTOR 11P	
P3001	K1KA15A00104	CONNECTOR 15P	
P4001	VJSS0888	FE CONNECTOR 2P	
P4002	LSJWM6N120CL	PARALLEL CONNECTOR	
P4005	K1KB19A00007	CONNECTOR RECEPTACLE 19P (F)	
P4005	VJSS0875	CONNECTOR RECEPTACLE 13P (I)	
P4007	VJSS0874	CONNECTOR RECEPTACLE 11P (F)	
P4007	K1KB07A00037	CONNECTOR RECEPTACLE 7P (I)	
P4008	VJSS0875	CONNECTOR RECEPTACLE 13P	
P4501	K1KA02A00229	CONNECTOR 2P	
P4502	K1KA02A00229	CONNECTOR 2P	
P4503	K1KA05A00177	CONNECTOR 5P	
P4506	VEKS5881	CONNECTOR CABLE W/PLUG,12V DC	
P4801	K1MN16A00060	CONNECTOR 16P	
P5302	K1MP04A00006	CONNECTOR 4P	
P5401	K1KB19A00007	CONNECTOR 19P	
P6001	K1KA05A00268	CONNECTOR 5P	
P6201	K1KA12A00234	CONNECTOR 12P	
P6501	VJSS0874	CONNECTOR RECEPTACLE 11P	

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW6001	LSSH0002	LEAF SWITCH-SAFETY TAB	
SW6002	K0N107C00002	SWITCH PUSH	
SW6301	EVQ21405R	SWITCH PUSH	
SW6302	EVQ21405R	SWITCH PUSH	
SW6303	EVQ21405R	SWITCH PUSH	
SW6304	EVQ21405R	SWITCH PUSH	
SW6305	EVQ21405R	SWITCH PUSH	
SW6306	EVQ21405R	SWITCH PUSH	
SW6307	EVQ21405R	SWITCH PUSH	
SW6308	EVQ21405R	SWITCH PUSH	
SW6309	EVQ21405R	SWITCH PUSH	
SW6310	EVQ21405R	SWITCH PUSH	
SW6311	EVQ21405R	SWITCH PUSH	
SW6312	EVQ21405R	SWITCH PUSH	
SW6313	EVQ21405R	SWITCH PUSH	

TRANSFORMER

Ref. No.	Part No.	Part Name & Description	Remarks
T4101	G2A342C00003	TRANSFORMER	

PRINTED CIRCUIT BOARD ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Remarks
E11	LSEP2076B	AUDIO C.B.A. (F)	E.S.D. RTL
E11	LSEP2076C	AUDIO C.B.A. (I)	E.S.D. RTL

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
487	XYN3+J8	SCREW W/WASHER,STEEL	
711	PNA4611M00HC	INFRARED RECEIVER UNIT	
798	TMM7464-1R	CLAMPER	
799	LSSC0584	AMP HEAT SINK	

14.3.2. AUDIO C.B.A.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC4201	AN3663FBP-V	IC, LINEAR	
IC4601	BD3867AS	IC, LINEAR	
IC5651	C1AB00001288	IC, LOGIC	E.S.D.
IC9201	AN7420-NT	IC, LINEAR	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q4003	UNR511500L	TRANSISTOR SI PNP CHIP	
Q4003	B1GDCFJJ0025	TRANSISTOR SI PNP CHIP	
Q4005	2SD132800L	TRANSISTOR SI NPN CHIP	
Q4005	B1ABEC000006	TRANSISTOR SI NPN CHIP	
Q4006	2SD132800L	TRANSISTOR SI NPN CHIP	
Q4006	B1ABEC000006	TRANSISTOR SI NPN CHIP	
Q5651	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q5651	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q5652	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5652	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5653	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q5653	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q5655	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5655	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5656	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5656	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5657	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5657	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5658	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5658	B1ABCF000020	TRANSISTOR SI NPN CHIP	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D4210	MA2C165001VT	DIODE SI	
D4210	B0AACK000004	DIODE SI	
D4210	1SS119	DIODE SI	
D4303	MA2C165001VT	DIODE SI	
D4303	B0AACK000004	DIODE SI	
D4303	1SS119	DIODE SI	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R4201	ERJ6GEYJ473V	MGF CHIP 1/10W 47K (F)	
R4202	ERJ6GEYJ473V	MGF CHIP 1/10W 47K (F)	
R4203	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K (F)	
R4204	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K (F)	
R4205	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4206	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4207	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R4208	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R4209	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4210	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4211	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R4212	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R4213	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4214	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4215	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R4217	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R4218	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4219	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4224	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4225	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4226	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R4229	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4230	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4231	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R4232	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R4243	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4244	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4245	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R4246	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R4251	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R4453	ERJ6GEYJ184V	MGF CHIP 1/10W 180K	
R4601	ERJ6GEYJ105V	MGF CHIP 1/10W 1M	
R4602	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	
R4603	ERDS2TJ472	CARBON 1/4W 4.7K	
R4604	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R4605	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4606	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4607	ERDS2TJ101	CARBON 1/4W 100	
R4608	ERDS2TJ101	CARBON 1/4W 100	
R4903	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R5651	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R5652	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5653	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R5654	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	

Ref. No.	Part No.	Part Name & Description	Remarks
R5655	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5656	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R5657	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R5659	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5660	ERJ6GEYJ821V	MGF CHIP 1/10W 820	
R5661	ERJ6GEYJ391V	MGF CHIP 1/10W 390	
R5662	ERJ6GEYJ391V	MGF CHIP 1/10W 390	
R5663	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R5665	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5666	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R5668	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5670	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5674	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	
R5675	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R5676	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R5677	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R5678	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R5679	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R9201	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R9202	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R9203	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R9204	ERJ6GEYJ224V	MGF CHIP 1/10W 220K	
R9205	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R9206	EVMAASA00B53	VARIABLE 5K	
R9207	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R9208	ERDS2TJ392	CARBON 1/4W 3.9K	
R9209	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C4201	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4202	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4203	ECEA0JKA330I	ELECTROLYTIC 6.3V 33UF	
C4204	ECEA0JKA330I	ELECTROLYTIC 6.3V 33UF	
C4205	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4206	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4207	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4208	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4209	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4210	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4211	ECJ2VB1H153K	C CHIP 50V 0.015UF	
C4212	ECJ2VB1H153K	C CHIP 50V 0.015UF	
C4213	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4214	ECEA1CKA101I	ELECTROLYTIC 16V 100UF	
C4215	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4217	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	
C4218	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4219	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4227	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C4229	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4230	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C4239	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4240	ECEA1CKA100	ELECTROLYTIC 16V 10UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C4451	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4452	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4455	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4456	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4458	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4459	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C4601	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4602	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4603	ECJ2VB1E683K	C CHIP 25V 0.068UF	
C4604	ECJ2VB1H102K	C CHIP 50V 1000PF	
C4605	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4606	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4612	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4613	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4614	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4615	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4616	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C4617	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C4618	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4619	ECJ2VB1H102K	C CHIP 50V 1000PF	
C4620	ECJ2VB1E683K	C CHIP 25V 0.068UF	
C4621	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4622	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4623	ECA1CM471B	ELECTROLYTIC 16V 470UF	
C4901	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4902	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C4903	ECEA1HKA3R3I	ELECTROLYTIC 50V 3.3UF	
C4904	ECEA1HKA3R3I	ELECTROLYTIC 50V 3.3UF	
C4905	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4906	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4911	ECJ2VB1E223K	C CHIP 25V 0.022UF	
C4912	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4913	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4914	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C4915	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C4916	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4917	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4918	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4919	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C4920	ECJ2VB1E223K	C CHIP 25V 0.022UF	
C5652	ECJ2VC1H100C	C CHIP 50V 10PF	
C5653	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5654	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5655	ECJ2VC1H270J	C CHIP 50V 27PF	
C5656	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C5657	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C5658	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5659	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5660	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5661	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C5662	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C5663	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5664	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5665	ECJ2VF1H103Z	C CHIP 50V 0.01UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C5666	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	
C5668	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5669	ECJ2VC1H181J	C CHIP 50V 180PF	
C5670	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5671	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5672	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5673	ECJ2VC1H560J	C CHIP 50V 56PF	
C5674	ECJ2VC1H390J	C CHIP 50V 39PF	
C5675	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C5676	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C5677	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C5678	ECEA1CKS220	ELECTROLYTIC 16V 22UF	
C5680	ECJ2VC1H270J	C CHIP 50V 27PF	
C5681	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9201	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9202	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C9203	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C9204	ECQP1H102JZ3	POLYESTER 50V 1000PF	
C9205	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C9206	ECEA1HKA3R3I	ELECTROLYTIC 50V 3.3UF	
C9207	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C9208	ECJ2VB1H223K	C CHIP 50V 0.022UF	
C9209	ECJ2VB1H223K	C CHIP 50V 0.022UF	
C9210	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C9211	ECEA1HKA010	ELECTROLYTIC 50V 1UF	

FILTERS

Ref. No.	Part No.	Part Name & Description	Remarks
FL5651	LSLF0053	EMI FILTER	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L4201	ELESN101KA	COIL 100UH	
L4451	ELESN101KA	COIL 100UH	
L4601	ELEXT101KE04	COIL 100UH	
L4901	ELESN101KA	COIL 100UH	
L4902	ELESN101KA	COIL 100UH	
L5652	ELESN150KA	COIL 15UH	
L5653	LSLQF06R101K	COIL 100UH	
L5654	ELESN4R7KA	COIL 4.7UH	
L5655	ELESN101KA	COIL 100UH	
L5656	ELESN101KA	COIL 100UH	
L5657	ELESN101KA	COIL 100UH	
L5658	ELESN101KA	COIL 100UH	
L9201	ELESN101KA	COIL 100UH	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P4201	VJHS0293	PACK PIN 3P	
P4202	VJHS0294	PACK PIN 4P (F)	
P4203	VJHS0293	PACK PIN 3P	
P4204	VJHS0297	PACK PIN 7P	
P4205	VJHS0299	PACK PIN 9P	
P4206	VJHS0299	PACK PIN 9P	
P4207	VJHS0290	PACK PIN 10P	
P4208	VJHS0294	PACK PIN 4P	
P5651	VJHS0296	PACK PIN 6P	
P5652	VJHS0295	PACK PIN 5P	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
713	VMAS1912	P.C.B. SUPPORT ANGLE	

14.3.3. Hi-Fi AUDIO/VIDEO HEAD AMP C.B.A.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC3501	AN3361SB	IC, LINEAR	
IC4401	AN3328S	IC, LINEAR	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R3501	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R3502	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3503	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3504	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3505	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3506	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R3507	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R4405	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4406	ERJ6GEYJ180V	MGF CHIP 1/10W 18	
R4407	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R4408	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R4410	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4411	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C3504	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3505	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C3506	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3507	ECJ2VB1H102K	C CHIP 50V 1000PF	
C3508	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3511	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3512	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3513	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3519	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3520	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3523	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3524	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3528	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3529	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3532	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3533	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4401	ECJ2VB1H102K	C CHIP 50V 1000PF	
C4402	ECJ2VB1H102K	C CHIP 50V 1000PF	
C4405	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4406	ECJ2VB1H472K	C CHIP 50V 4700PF	
C4408	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4409	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4411	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
C4412	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C4413	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C4414	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L3501	G0C101KA0045	COIL 100UH	
L4401	G0C101KA0045	COIL 100UH	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P3501	K1KB15B00019	CONNECTOR 15P	

14.3.4. TV MAIN C.B.A.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC451	C1AA00000024	IC, LINEAR	
IC850	C5HABZZ00110	IC, LINEAR	⚠

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q431	2SA1309AHA	TRANSISTOR SI PNP	
Q431	B1ACCF000047	TRANSISTOR SI PNP	
Q501	2SC3941H	TRANSISTOR SI NPN	
Q523	B1ACBM000001	TRANSISTOR SI PNP	
Q523	2SA17670QA	TRANSISTOR SI PNP	
Q523	2SB12210QA	TRANSISTOR SI PNP	
Q541	2SB0709ARL	TRANSISTOR SI PNP CHIP	
Q541	2SB1218ARL	TRANSISTOR SI PNP CHIP	
Q551	2SC5902000LK	TRANSISTOR SI NPN (F)	⚠
Q551	B1BAFT000004	TRANSISTOR SI NPN (I)	⚠
Q571	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q571	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q591	2SC3311AHA	TRANSISTOR SI NPN	
Q801	2SC3311ARA	TRANSISTOR SI NPN	
Q801	2SC3311ARA	TRANSISTOR SI NPN	
Q801	2SC3311ASA	TRANSISTOR SI NPN	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D401	B0AAML000001	DIODE SI	
D401	1SR139-400	DIODE SI	
D402	MA2C165001VT	DIODE SI	
D402	B0AACK000004	DIODE SI	
D402	1SS119	DIODE SI	
D503	B0HAGP000014	DIODE SI	
D504	MAZ40470MF	DIODE ZENER 4.7V	
D504	B0BA4R600003	DIODE ZENER 4.7V	
D504	RD4.7ESAB2	DIODE ZENER 4.7V	
D505	MA2C165001VT	DIODE SI	
D505	B0AACK000004	DIODE SI	
D505	1SS119	DIODE SI	
D506	MAZ42700MF	DIODE ZENER 27V	
D541	MA2C165001VT	DIODE SI	
D541	B0AACK000004	DIODE SI	
D541	1SS119	DIODE SI	
D553	B0HAGP000014	DIODE SI	
D554	MA2C16700E	DIODE SI	
D554	B0AAEL000001	DIODE SI	
D555	MAZ40680MF	DIODE ZENER 6.8V	
D555	B0BA6R600008	DIODE ZENER 6.8V	
D555	RD6.8ESAB3	DIODE ZENER 6.8V	
D555	04AZ6.8ZTPA7	DIODE ZENER 6.8V	
D558	B0HAGP000014	DIODE SI	
D571	B0HANV000016	DIODE SI (F)	
D571	RH3F014305	DIODE SI (F)	
D572	RU3ANLFC1	DIODE SI (F)	

Ref. No.	Part No.	Part Name & Description	Remarks
D572	B0HAMR000060	DIODE SI (F)	
D591	D4DDD3R00002	THERMISTOR	⚠
D592	MA2C16700E	DIODE SI	
D592	B0AAEL000001	DIODE SI	
D801	ERZV10V361CS	SURGE ABSORBER	⚠
D801	D4EAA3610001	SURGE ABSORBER	⚠
D802	ERZV10V361CS	SURGE ABSORBER	⚠
D802	D4EAA3610001	SURGE ABSORBER	⚠
D803	MA2C16700E	DIODE SI	
D803	B0AAEL000001	DIODE SI	
D804	B0AAKT000010	DIODE SI	⚠
D804	B0EAKT000027	DIODE SI	⚠
D804	B0EAKT000030	DIODE SI	⚠
D805	B0AAKT000010	DIODE SI	⚠
D805	B0EAKT000027	DIODE SI	⚠
D805	B0EAKT000030	DIODE SI	⚠
D806	B0AAKT000010	DIODE SI	⚠
D806	B0EAKT000027	DIODE SI	⚠
D806	B0EAKT000030	DIODE SI	⚠
D807	B0AAKT000010	DIODE SI	⚠
D807	B0EAKT000027	DIODE SI	⚠
D807	B0EAKT000030	DIODE SI	⚠
D854	B0JAMD000012	DIODE SI	
D854	B0JAGE000001	DIODE SI	
D854	B0JAME000082	DIODE SI	
D856	B0HAJL000001	DIODE SI	
D856	B0HAGP000012	DIODE SI	
D857	B0HAJL000001	DIODE SI	
D857	B0HAGP000012	DIODE SI	
D858	B0HAJL000001	DIODE SI	
D858	B0HAGP000012	DIODE SI	
D859	B0JAPG000024	DIODE SI	
D859	B0JAPG000020	DIODE SI	
D859	B0JAPG000021	DIODE SI	
D860	B0EALR000005	DIODE SI	
D860	B0HAMR000063	DIODE SI	
D861	MA2180LA	DIODE ZENER 18V	⚠
D861	B0BA01800025	DIODE ZENER 18V	⚠
D861	1N4746A-T	DIODE ZENER 18V	⚠
D861	1N4746ARL	DIODE ZENER 18V	⚠
D863	B0HAHP000014	DIODE SI	
D863	B0HAJP000007	DIODE SI	
D863	B0HAMP000061	DIODE SI	
D863	B0HAMP000069	DIODE SI	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R401	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K (F)	
R401	ERJ6GEYJ471V	MGF CHIP 1/10W 470 (I)	
R402	ERDS2TJ183T	CARBON 1/4W 18K (F)	
R402	ERDS2TJ103	CARBON 1/4W 10K (I)	
R405	ERG1SJ331P	METAL OXIDE 1W 330 (F)	
R405	ERG1SJ561P	METAL OXIDE 1W 560 (I)	
R406	ERJ6GEYJ334V	MGF CHIP 1/10W 330K (I)	
R409	ERJ6GEYJ223V	MGF CHIP 1/10W 22K (F)	
R409	ERJ6GEYJ273V	MGF CHIP 1/10W 27K (I)	
R410	ERDS2TJ223	CARBON 1/4W 22K (F)	
R410	ERDS2TJ272	CARBON 1/4W 2.7K (I)	
R411	ERJ6GEYJ223V	MGF CHIP 1/10W 22K (F)	
R411	ERJ6GEYJ104V	MGF CHIP 1/10W 100K (I)	
R413	ERJ6GEYJ273V	MGF CHIP 1/10W 27K (F)	
R413	ERJ6GEYJ333V	MGF CHIP 1/10W 33K (I)	
R414	ERDS1FJ1R8P	CARBON 1/2W 1.8 (F)	⚠
R414	ERX1SJ1R2P	METAL FILM 1W 1.2 (I)	
R415	ERDS1FJ1R8P	CARBON 1/2W 1.8 (F)	⚠
R416	ERDS2TJ101	CARBON 1/4W 100 (F)	
R422	ERDS2TJ331	CARBON 1/4W 330 (F)	
R422	ERD25FJ101P	CARBON 1/4W 100 (I)	⚠
R427	ERDS1FJ1R5P	CARBON 1/2W 1.5	⚠
R431	ERDS2TJ821	CARBON 1/4W 820	
R432	ERJ6GEYJ333V	MGF CHIP 1/10W 33K (F)	
R432	ERJ6GEYJ563V	MGF CHIP 1/10W 56K (I)	
R433	ERJ6GEYJ102V	MGF CHIP 1/10W 1K (F)	
R433	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K (I)	
R434	ERDS2TJ472	CARBON 1/4W 4.7K	
R435	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R436	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R466	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R468	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R471	ERDS1FJ152P	CARBON 1/2W 1.5K	⚠
R501	ERDS2TJ471	CARBON 1/4W 470	
R502	ERDS2TJ561	CARBON 1/4W 560	
R503	EROS2THF1002	PRECISION METAL FILM 1/4W 10K (F)	⚠
R503	EROS2TKF1002	PRECISION METAL FILM 1/4W 10K (F)	⚠
R503	VRESR4TF1002	PRECISION METAL FILM 1/4W 10K (F)	⚠
R503	EROS2THF9531	PRECISION METAL FILM 1/4W 9.53K (I)	⚠
R503	EROS2TKF9531	PRECISION METAL FILM 1/4W 9.53K (I)	⚠
R503	VRESR4TF9531	PRECISION METAL FILM 1/4W 9.53K (I)	⚠
R508	ERDS1FJ1R0P	CARBON 1/2W 1	⚠
R509	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R511	ERG2SJ272H	METAL OXIDE 2W 2.7K	
R513	ERDS2TJ472	CARBON 1/4W 4.7K	
R515	ERDS2TJ122	CARBON 1/4W 1.2K	
R516	LAR05202J09	W FLMPRF 5W 2K	
R519	ERDS2TJ822	CARBON 1/4W 8.2K	
R523	ERDS2TJ823	CARBON 1/4W 82K	
R524	ERDS2TJ103	CARBON 1/4W 10K	

Ref. No.	Part No.	Part Name & Description	Remarks
R525	ERDS2TJ124	CARBON 1/4W 120K	
R526	ERX2SJR75H	METAL FILM 2W 0.75	⚠
R541	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R542	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R543	ERJ6GEYJ274V	MGF CHIP 1/10W 270K	
R544	ERJ6GEYJ823V	MGF CHIP 1/10W 82K	
R545	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R551	ERDS2TJ393	CARBON 1/4W 39K (I)	
R552	ERDS2TJ472	CARBON 1/4W 4.7K	
R553	ERDS2TJ102	CARBON 1/4W 1K	
R554	ERG2SJ102H	METAL OXIDE 2W 1K	
R555	ERDS2TJ333T	CARBON 1/4W 33K (F)	
R555	ERDS2TJ473	CARBON 1/4W 47K (I)	
R556	ERDS2TJ223	CARBON 1/4W 22K (F)	
R556	ERDS2TJ473	CARBON 1/4W 47K (I)	
R561	ERQ1CJP3R3S	FUSE 1W 3.3 (F)	⚠
R561	ERQ2CJP1R8S	FUSE 2W 1.8 (I)	⚠
R562	ERF5ZK2R2	W FLMPRF 5W 2.2	
R563	ERG1SJ272P	METAL OXIDE 1W 2.7K	
R571	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R572	ERDS2TJ561	CARBON 1/4W 560	
R573	ERDS2TJ101	CARBON 1/4W 100	
R574	ERDS2TJ103	CARBON 1/4W 10K	
R585	ERDS2TJ393	CARBON 1/4W 39K (F)	
R586	ERDS2TJ562	CARBON 1/4W 5.6K	
R587	ERDS2TJ123	CARBON 1/4W 12K (F)	
R588	ERG12SJ560P	METAL OXIDE 1/2W 56 (I)	
R591	ERDS2TJ103	CARBON 1/4W 10K	
R592	ERDS2TJ472	CARBON 1/4W 4.7K	
R701	ERQ1ABJP560S	FUSE 1W 56 (F)	⚠
R710	ERQ1CJP6R8S	FUSE 1W 6.8 (F)	⚠
R789	ERDS2TJ101	CARBON 1/4W 100	
R801	VRESC2TK825T	SOLID 1/2W 8.2M	⚠
R802	ERDS2TJ472	CARBON 1/4W 4.7K	
R803	ERDS2TJ103	CARBON 1/4W 10K	
R804	ERF5ZKR82	W FLMPRF 5W 0.82	⚠
R804	LSREFDWKR82Z	W FLMPRF 5W 0.82	⚠
R850	D0AF184JA038	CARBON 1/2W 180K	
R851	ERD2FCG681V	FUSE 1/4W 680	⚠
R852	ERDS2TJ683	CARBON 1/4W 68K	
R853	ERDS2TJ683	CARBON 1/4W 68K	
R855	ERX2SZJR10P	METAL FILM 2W 0.1	
R857	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R866	ERG2SJ333H	METAL OXIDE 2W 33K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C401	ECEA1HKAR33B	ELECTROLYTIC 50V 0.33UF (F)	
C401	ECA1HM2R2B	ELECTROLYTIC 50V 2.2UF (I)	
C402	ECA1CM471B	ELECTROLYTIC 16V 470UF	
C408	ECA1HGE010KB	ELECTROLYTIC 50V 1UF	
C409	ECA1VM221B	ELECTROLYTIC 35V 220UF	
C413	ECQB1104JF3	POLYESTER 200V 0.10UF (F)	
C413	ECQB1H104KF	POLYESTER 50V 0.1UF (I)	
C414	ECA1EM222B	ELECTROLYTIC 25V 2200UF	
C418	ECA1VM471B	ELECTROLYTIC 35V 470UF	
C458	ECQB1H103KF3	POLYESTER 50V 0.01UF	
C460	ECA1HM010B	ELECTROLYTIC 50V 1UF (F)	
C510	ECKR2H681KB5	CERAMIC 500V 680PF	
C513	ECA1HM100B	ELECTROLYTIC 50V 10UF	
C521	ECA1HM100B	ELECTROLYTIC 50V 10UF	
C523	ECA1CM101B	ELECTROLYTIC 16V 100UF	
C524	ECKR3D222KBP	CERAMIC 2KV 2200PF	⚠
C525	ECKR3D152KBP	CERAMIC 2KV 1500PF	⚠
C526	ECQB1H473KF3	POLYESTER 50V 0.047UF	
C541	ECEA1CKN220I	ELECTROLYTIC 16V 22UF	
C552	ECWH16123JVB	POLYESTER 1250V 0.012UF (F)	⚠
C552	ECWH12H123JS	POLYESTER 1250V 0.012UF (F)	⚠
C552	F0A3C123A002	POLYESTER 1250V 0.012UF (F)	⚠
C552	LSCFN12123JB	POLYESTER 1250V 0.012UF (F)	⚠
C554	ECQF4393JZH	CERAMIC 400V 0.39UF (F)	
C555	ECWH20222JVB	POLYESTER 1250V 2200PF (F)	⚠
C555	ECWH16123JVB	POLYESTER 1250V 0.012UF (I)	⚠
C555	ECWH12H123JS	POLYESTER 1250V 0.012UF (I)	⚠
C555	F0A3C123A002	POLYESTER 1250V 0.012UF (I)	⚠
C555	LSCFN12123JB	POLYESTER 1250V 0.012UF (I)	⚠
C556	ECWF2394JBB	POLYESTER 200V 0.39UF (F)	
C556	ECWF2564JSB	POLYESTER 250V 0.56UF (I)	
C558	ECA1VM102B	ELECTROLYTIC 35V 1000UF	
C560	ECA2EM100B	ELECTROLYTIC 250V 10UF	⚠
C561	ECA1HM4R7B	ELECTROLYTIC 50V 4.7UF	
C562	ECA1HM2R2B	ELECTROLYTIC 50V 2.2UF (F)	
C563	ECKR2H681KB5	CERAMIC 500V 680PF	
C564	ECKW3D561KBP	CERAMIC 2KV 560PF (F)	⚠
C564	ECKC3D561KBP	CERAMIC 2KV 560PF (F)	⚠
C564	ECKR3D561KBP	CERAMIC 2KV 560PF (F)	⚠
C575	F2A2D3300010	ELECTROLYTIC 200V 33UF	
C576	ECKW3D222KBP	CERAMIC 2KV 2200PF (I)	⚠
C576	ECKC3D222KBP	CERAMIC 2KV 2200PF (I)	⚠
C703	ECQE1685KFB	POLYESTER 100V 0.68UF (F)	
C704	ECQE2474KFB	POLYESTER 250V 0.47 (F)	
C801	ECQU2A823MLA	POLYESTER 250V 0.082UF	⚠
C801	LSCFQ2A823MC	POLYESTER 250V 0.082UF	⚠
C802	J0LE00000023	ARRESTER	⚠

Ref. No.	Part No.	Part Name & Description	Remarks
C803	ECKATS103MF	CERAMIC 250V 0.01UF	⚠
C803	ECKETS103MF	CERAMIC 125V 0.01UF	⚠
C803	VCKST3G103MY	CERAMIC 250V 0.01UF	⚠
C803	VCKSU3D103MY	CERAMIC 125V 0.01UF	⚠
C806	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C807	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C808	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C809	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C855	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C856	ECJ2VB1H471K	C CHIP 50V 470PF	
C857	VCESAS2D561E	ELECTROLYTIC 200V 560UF	⚠
C857	ECEC2DP561BB	ELECTROLYTIC 200V 560UF	⚠
C857	F2B2D5610011	ELECTROLYTIC 200V 560UF	⚠
C857	VCESAY2D561E	ELECTROLYTIC 200V 560UF	⚠
C858	ECKN3D222KBP	CERAMIC 2KV 4700P	
C859	ECJ2VB1H122K	C CHIP 50V 1200PF	
C861	F1B2E152A012	CERAMIC 250V 1500PF	⚠
C861	F1B2E152A011	CERAMIC 250V 1500PF	⚠
C861	F1B2E152A044	CERAMIC 250V 1500PF	⚠
C861	F1B2E152A045	CERAMIC 250V 1500PF	⚠
C861	F1B2E1520002	CERAMIC 250V 1500PF	⚠
C861	F1B2E1520006	CERAMIC 250V 1500PF	⚠
C864	F1B3A102A009	CERAMIC 25V 1000PF	
C865	ECEA1PEE102	ELECTROLYTIC 18V 1000UF	
C867	VCESAS2D331E	ELECTROLYTIC 200V 330UF	⚠
C867	ECEC2DP331BB	ELECTROLYTIC 200V 330UF	⚠
C867	F2A2D3310002	ELECTROLYTIC 200V 330UF	⚠
C867	F2B2D3310013	ELECTROLYTIC 200V 330UF	⚠
C868	ECEA1PEE102	ELECTROLYTIC 18V 1000UF	
C869	ECKR2H221KB5	CERAMIC 500V 220PF	
C870	ECA2DHG4R7B	ELECTROLYTIC 200V 4.7UF	
C872	ECEA2DU820YE	ELECTROLYTIC 200V 82UF	⚠
C872	F2A2D8200001	ELECTROLYTIC 200V 82UF	⚠
C872	F2A2D8200003	ELECTROLYTIC 200V 82UF	⚠
C872	VCESR2D820XE	ELECTROLYTIC 200V 82UF	⚠

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L551	ELH5L6141	COIL (F)	⚠
L552	J0JKA0000015	COIL (F)	
L554	ELH5L8106	COIL (F)	⚠
L554	LLH6602T	COIL (I)	⚠
L701	ELC16B471E	COIL (F)	
L704	LSLQA10R682J	COIL 6800UH (F)	
L801	ELF21V025A	LINE FILTER	⚠
L801	J0HBLH000001	LINE FILTER	⚠
L802	ELF21V025A	LINE FILTER	⚠
L802	J0HBLH000001	LINE FILTER	⚠
L850	J0JKA0000016	FERRITE BEAD WITH LEAD	
L855	G0A9R0H00002	COIL	
L856	VLQSAB7D220K	COIL 22UH	
L857	J0JHB0000021	LINE FILTER	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P501	VJPS0772	CONNECTOR PLUG 19P	
P503	K1MP06A00004	CONNECTOR 6P (F)	
P504	K1MP04A00013	CONNECTOR 4P (I)	
P801	LSJP0814	CONNECTOR 2P	
P802	VEKS5825	CONNECTOR CABLE W/PLUG,0V	
P850	K1KA02A00009	CONNECTOR 2P	

FUSE & PROTECTOR

Ref. No.	Part No.	Part Name & Description	Remarks
F801	K5D632AQ0002	FUSE 125V 6.3A	⚠
F801	K5D632ADA001	FUSE 125V 6.3A	⚠
F801	K5D632AD0002	FUSE 125V 6.3A	⚠
PR850	LSSF009A70E	IC PROTECTOR	⚠
PR851	LSSF009A35E	IC PROTECTOR	⚠

RELAY

Ref. No.	Part No.	Part Name & Description	Remarks
RL591	LSSY0004	RELAY	⚠
RL591	K6B1AGA00034	RELAY	⚠
RL591	K6B1AGA00042	RELAY	⚠
RL591	TSEH0013	RELAY	⚠
RL591	TSEH1860-1	RELAY	⚠
RL801	LSSY0004	RELAY	⚠
RL801	K6B1AGA00034	RELAY	⚠
RL801	K6B1AGA00042	RELAY	⚠
RL801	TSEH0013	RELAY	⚠
RL801	TSEH1860-1	RELAY	⚠

TRANSFORMER

Ref. No.	Part No.	Part Name & Description	Remarks
T501	ETH19Y70AY	TRANSFORMER	
T551	ZTFN35501A	FLYBACK TRANSFORMER	⚠
T850	ETS39AG3K5NC	TRANSFORMER	⚠

PRINTED CIRCUIT BOARD ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Remarks
E31	LSEP2075A	DEFLECTION C.B.A. (F)	RTL

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
470	XTV3+10G	TAPPING SCREW,STEEL	
483	XYN3+F10S	SCREW W/WASHER,STEEL	
487	XYN3+J8	SCREW W/WASHER,STEEL (I)	
728	LSSC0254	HEAT SINK	
741	LSJA03492017	AC CORD W/PLUG,120V	⚠
751	LML69001A	ANODE LEAD CLAMPER	
760	TUC77628	HEAT SINK	
771	EYF52BC	FUSE HOLDER	
797	LSSC0562	HEAT SINK	

14.3.5. DEFLECTION C.B.A.

(Model: F)

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC752	C0ABAA000005	IC, LINEAR	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q751	2SD14990P0LB	TRANSISTOR SI NPN	
Q751	2SD14990Q0LB	TRANSISTOR SI NPN	
Q753	2SA1309ARA	TRANSISTOR SI PNP	
Q753	2SA1309ARA	TRANSISTOR SI PNP	
Q753	2SA1309ASA	TRANSISTOR SI PNP	
Q754	2SC3311ARA	TRANSISTOR SI NPN	
Q754	2SC3311ARA	TRANSISTOR SI NPN	
Q754	2SC3311ASA	TRANSISTOR SI NPN	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D704	MA2C029TAF	DIODE SI	
D752	MA2C165001VT	DIODE SI	
D752	B0AACK000004	DIODE SI	
D752	1SS119	DIODE SI	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R713	ERDS2TJ471	CARBON 1/4W 470	
R714	ERDS2TJ272	CARBON 1/4W 2.7K	
R751	ERDS2TJ101	CARBON 1/4W 100	
R752	ERJ6GEYJ181V	MGF CHIP 1/10W 180	
R753	EVMEGSA00B14	VARIABLE 10K	
R755	ERDS2TJ101	CARBON 1/4W 100	
R756	ERDS2TJ152	CARBON 1/4W 1.5K	
R757	ERJ6GEYJ752V	MGF CHIP 1/10W 7.5K	
R758	ERJ6GEYJ823V	MGF CHIP 1/10W 82K	
R759	ERJ6GEYJ683V	MGF CHIP 1/10W 68K	
R760	ERJ6GEYJ474V	MGF CHIP 1/10W 470K	
R761	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R762	ERJ6GEYJ123V	MGF CHIP 1/10W 12K	
R763	EVMEGSA00B14	VARIABLE 10K	
R764	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R765	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R766	EVMEGSA00B14	VARIABLE 10K	
R767	ERJ6GEYJ123V	MGF CHIP 1/10W 12K	
R768	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R769	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R771	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R772	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R773	ERJ6GEYJ823V	MGF CHIP 1/10W 82K	
R774	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R775	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R776	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R777	ERJ6GEYJ154V	MGF CHIP 1/10W 150K	
R779	ERJ6GEYJ124V	MGF CHIP 1/10W 120K	
R791	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R792	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R793	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R794	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R795	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	
R796	ERJ6GEYJ154V	MGF CHIP 1/10W 150K	

Ref. No.	Part No.	Part Name & Description	Remarks
R797	ERJ6GEYJ154V	MGF CHIP 1/10W 150K	
R798	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R799	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C761	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C762	ECA1CM100B	ELECTROLYTIC 16V 10UF	
C763	VCUSTBC224KB	C CHIP 16V 0.22UF	
C764	ECJ2VB1H102K	C CHIP 50V 1000PF	
C765	ECEA1HKAR33B	ELECTROLYTIC 50V 0.33UF	
C767	ECJ2VB1C104K	C CHIP 16V 0.1UF	
C768	ECJ2VB1H392K	C CHIP 50V 3900PF	
C792	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C793	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C794	ECA1VM470B	ELECTROLYTIC 35V 47UF	
C795	ECA1EM471B	ELECTROLYTIC 25V 470UF	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P504	VJHS0297	PACK PIN 7P	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
483	XYN3+F10S	SCREW W/WASHER,STEEL	
713	VMAS1912	P.C.B. SUPPORT ANGLE	
794	TUC15776	HEAT SINK	

14.3.6. POWER SUPPLY C.B.A.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC1501	C5HABZZ00101	IC, LINEAR	⚠
IC1502	CNC1S101R1KT	IC, LINEAR	⚠
IC1502	CNC1S101S1KT	IC, LINEAR	⚠
IC1503	C0DAEMZ00005	IC, LINEAR	
IC1503	B1AZKD000001	IC, LINEAR	
IC1503	C0DAEMZ00001	IC, LINEAR	
IC1504	C0DAEGG00008	IC, LINEAR	
IC9501	C0ABBB000017	IC, LINEAR (F)	
IC9501	C1BB00000177	IC, LINEAR (F)	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q1501	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q1501	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q1502	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q1502	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q1503	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q1503	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q1504	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q1504	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q1505	B1BACC000010	TRANSISTOR SI NPN	
Q1505	2SD1581-T	TRANSISTOR SI NPN	
Q1506	2SD2396-K	TRANSISTOR SI NPN	
Q1506	2SD23750P	TRANSISTOR SI NPN	
Q1507	2SD235800A	TRANSISTOR SI NPN	
Q1507	B1AAQB000002	TRANSISTOR SI NPN	
Q1507	B1BADC000001	TRANSISTOR SI NPN	
Q1508	2SD0601AHL	TRANSISTOR SI NPN CHIP	
Q1508	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q1509	2SD0602ARL	TRANSISTOR SI NPN CHIP	
Q1510	B1BACC000010	TRANSISTOR SI NPN	
Q1510	2SD1581-T	TRANSISTOR SI NPN	
Q1511	2SD0601AHL	TRANSISTOR SI NPN CHIP	
Q1511	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q7001	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q7001	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q7002	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q7002	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q9501	2SB1218A0L	TRANSISTOR SI PNP CHIP (F)	
Q9501	B1ADCF000063	TRANSISTOR SI PNP CHIP (F)	
Q9502	2SB1218A0L	TRANSISTOR SI PNP CHIP (F)	
Q9502	B1ADCF000063	TRANSISTOR SI PNP CHIP (F)	
Q9503	2SD1819A0L	TRANSISTOR SI NPN CHIP (F)	
Q9503	B1ABCF000020	TRANSISTOR SI NPN CHIP (F)	
Q9504	2SD1819A0L	TRANSISTOR SI NPN CHIP (F)	
Q9504	B1ABCF000020	TRANSISTOR SI NPN CHIP (F)	
Q9505	2SD1819A0L	TRANSISTOR SI NPN CHIP (F)	
Q9505	B1ABCF000020	TRANSISTOR SI NPN CHIP (F)	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D1501	B0AAKT000010	DIODE SI	⚠
D1501	B0EAKT000027	DIODE SI	⚠
D1501	B0EAKT000030	DIODE SI	⚠
D1502	B0AAKT000010	DIODE SI	⚠
D1502	B0EAKT000027	DIODE SI	⚠
D1502	B0EAKT000030	DIODE SI	⚠
D1503	B0AAKT000010	DIODE SI	⚠
D1503	B0EAKT000027	DIODE SI	⚠
D1503	B0EAKT000030	DIODE SI	⚠
D1504	B0AAKT000010	DIODE SI	⚠
D1504	B0EAKT000027	DIODE SI	⚠
D1504	B0EAKT000030	DIODE SI	⚠
D1505	B0JAMD000012	DIODE SI	
D1505	B0JAGE000001	DIODE SI	
D1505	B0JAME000082	DIODE SI	
D1506	B0HAJL000001	DIODE SI	
D1506	B0HAGP000012	DIODE SI	
D1507	B0HAJL000001	DIODE SI	
D1507	B0HAGP000012	DIODE SI	
D1508	B0HAJL000001	DIODE SI	
D1508	B0HAGP000012	DIODE SI	
D1509	B0HAJL000001	DIODE SI	
D1509	B0HAGP000012	DIODE SI	
D1510	B0HAHP000014	DIODE SI	
D1510	B0HAJP000007	DIODE SI	
D1510	B0HAMP000061	DIODE SI	
D1510	B0HAMP000069	DIODE SI	
D1511	B0JANK000004	DIODE SI	
D1512	B0JANG000006	DIODE SI	
D1513	B0JBRD000006	DIODE SI	
D1514	B0JAME000079	DIODE SI	
D1514	B0JAME000049	DIODE SI	
D1514	B0JANE000011	DIODE SI	
D1514	B0JANE000022	DIODE SI	
D1515	B0HAJL000001	DIODE SI	
D1515	B0HAGP000012	DIODE SI	
D1516	MAZ4100NHF	DIODE ZENER 10V	
D1518	MAZ4056NMF	DIODE ZENER 5.6V	
D1519	MAZ20820A	DIODE ZENER 8.2V	
D1519	MAZ20820	DIODE ZENER 8.2V	
D1519	MAZ20820B	DIODE ZENER 8.2V	
D1520	B0AAML000001	DIODE SI	
D1520	B0EAKL000008	DIODE SI	
D1522	B0AAML000001	DIODE SI	
D1522	B0EAKL000008	DIODE SI	
D1524	MA2180LA	DIODE ZENER 18V	⚠
D1524	B0BA01800025	DIODE ZENER 18V	⚠
D1524	1N4746A-T	DIODE ZENER 18V	⚠
D1524	1N4746ARL	DIODE ZENER 18V	⚠

Ref. No.	Part No.	Part Name & Description	Remarks
D1525	MAZ4047NMF	DIODE ZENER 4.7V	
D1526	MA2C165001VT	DIODE SI	
D1526	B0AACK000004	DIODE SI	
D1526	1SS119	DIODE SI	
D1527	MA2C165001VT	DIODE SI	
D1527	B0AACK000004	DIODE SI	
D1527	1SS119	DIODE SI	
D1528	MAZ20620A	DIODE ZENER 6.2V	
D1528	MAZ20620	DIODE ZENER 6.2V	
D1528	MAZ20620B	DIODE ZENER 6.2V	
D9501	MA2C165001VT	DIODE SI (F)	
D9501	B0AACK000004	DIODE SI (F)	
D9501	1SS119	DIODE SI (F)	
D9502	MA2C165001VT	DIODE SI (F)	
D9502	B0AACK000004	DIODE SI (F)	
D9502	1SS119	DIODE SI (F)	
D9503	MAZ40510MF	DIODE ZENER 5.1V (F)	
D9503	HZS5C2TD	DIODE ZENER 5.1V (F)	
D9503	HZS5C3TD	DIODE ZENER 5.1V (F)	
D9504	MAZ40510MF	DIODE ZENER 5.1V (F)	
D9504	HZS5C2TD	DIODE ZENER 5.1V (F)	
D9504	HZS5C3TD	DIODE ZENER 5.1V (F)	
D9505	MAZ40910MF	DIODE ZENER 9.1V (F)	
D9505	MA4091-MKT	DIODE ZENER 9.1V (F)	
D9505	MA4091-MMKT	DIODE ZENER 9.1V (F)	
D9505	RD9.1ESAB1	DIODE ZENER 9.1V (F)	
D9505	RD9.1ESAB2	DIODE ZENER 9.1V (F)	
D9505	04AZ9.1ZTPA7	DIODE ZENER 9.1V (F)	
D9506	MAZ40510MF	DIODE ZENER 5.1V (F)	
D9506	HZS5C2TD	DIODE ZENER 5.1V (F)	
D9506	HZS5C3TD	DIODE ZENER 5.1V (F)	
D9507	MAZ40510MF	DIODE ZENER 5.1V (F)	
D9507	HZS5C2TD	DIODE ZENER 5.1V (F)	
D9507	HZS5C3TD	DIODE ZENER 5.1V (F)	
D9551	MA2C165001VT	DIODE SI (F)	
D9551	B0AACK000004	DIODE SI (F)	
D9551	1SS119	DIODE SI (F)	
D9552	MA2C165001VT	DIODE SI (F)	
D9552	B0AACK000004	DIODE SI (F)	
D9552	1SS119	DIODE SI (F)	
D9553	MAZ41200LF	DIODE ZENER 12V	
D9554	MAZ41200LF	DIODE ZENER 12V	
D9555	MAZ41200LF	DIODE ZENER 12V	
D9556	MAZ41200LF	DIODE ZENER 12V	
D9561	MA2C165001VT	DIODE SI	
D9561	B0AACK000004	DIODE SI	
D9561	1SS119	DIODE SI	
D9562	MA2C165001VT	DIODE SI	
D9562	B0AACK000004	DIODE SI	
D9562	1SS119	DIODE SI	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R1501	D0AF473JA038	CARBON 1/2W 47K	
R1502	ERD2FCG681V	FUSE 1/4W 680	⚠
R1503	ERX2SJR22P	METAL FILM 2W 0.22	
R1505	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R1507	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R1508	ERG2SJ104P	METAL OXIDE 2W 100K	
R1510	ERDS2TJ750	CARBON 1/4W 75	
R1511	ERD25FJ100P	CARBON 1/4W 10	⚠
R1511	ERD25FPJ100P	CARBON 1/4W 10	⚠
R1511	VRESF4FJ100P	CARBON 1/4W 10	⚠
R1512	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R1513	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R1514	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R1515	D1BD2431A016	MGF CHIP 1/10W 2.43K	
R1516	D0HD222ZA002	MGF CHIP 1/10W 2.2K	
R1517	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R1518	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R1519	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R1520	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R1521	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R1522	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R1523	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R1524	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R1525	ERDS2TJ331	CARBON 1/4W 330	
R1526	ERDS2TJ153	CARBON 1/4W 15K	
R1527	ERDS1TJ272T	CARBON 1/2W 2.7K	
R1528	ERDS2TJ153	CARBON 1/4W 15K	
R1529	ERDS1TJ272T	CARBON 1/2W 2.7K	
R1530	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R1531	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R1532	ERJ6GEYJ681V	MGF CHIP 1/10W 680	
R1534	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R1535	ERDS2T0T	CARBON 1/4W 0	
R1536	ERDS2TJ153	CARBON 1/4W 15K	
R1537	ERDS2TJ153	CARBON 1/4W 15K	
R1538	ERJ6GEYJ681V	MGF CHIP 1/10W 680	
R1605	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R7001	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7002	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7003	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7004	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7005	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R7006	ERJ6GEYJ271V	MGF CHIP 1/10W 270	
R7007	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7008	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7009	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R7010	ERDS2TJ101	CARBON 1/4W 100	
R9501	ERJ6GEYJ750V	MGF CHIP 1/10W 75 (F)	
R9502	ERJ6GEYJ750V	MGF CHIP 1/10W 75 (F)	
R9503	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K (F)	
R9504	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K (F)	
R9505	ERJ6GEYJ473V	MGF CHIP 1/10W 47K (F)	
R9506	ERJ6GEYJ393V	MGF CHIP 1/10W 39K (F)	

Ref. No.	Part No.	Part Name & Description	Remarks
R9507	ERJ6GEYJ473V	MGF CHIP 1/10W 47K (F)	
R9508	ERJ6GEYJ103V	MGF CHIP 1/10W 10K (F)	
R9509	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K (F)	
R9510	ERJ6GEYJ473V	MGF CHIP 1/10W 47K (F)	
R9511	ERJ6GEYJ473V	MGF CHIP 1/10W 47K (F)	
R9512	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K (F)	
R9513	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K (F)	
R9517	ERJ6GEYJ102V	MGF CHIP 1/10W 1K (F)	
R9518	ERJ6GEYJ102V	MGF CHIP 1/10W 1K (F)	
R9519	ERJ6GEYJ271V	MGF CHIP 1/10W 270 (F)	
R9525	ERJ6GEYJ271V	MGF CHIP 1/10W 270 (F)	
R9526	ERJ6GEYJ223V	MGF CHIP 1/10W 22K (F)	
R9527	ERJ6GEYJ273V	MGF CHIP 1/10W 27K (F)	
R9528	ERJ6GEYJ331V	MGF CHIP 1/10W 330 (F)	
R9532	ERJ6GEYJ101V	MGF CHIP 1/10W 100 (F)	
R9545	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K (F)	
R9546	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K (F)	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C1501	F1B2E101A009	CERAMIC 250V 100PF	⚠
C1501	F1B2E101A008	CERAMIC 250V 100PF	⚠
C1501	F1B2E101A032	CERAMIC 250V 100PF	⚠
C1501	F1B2E101A037	CERAMIC 250V 100PF	⚠
C1502	ECKATS103MF	CERAMIC 250V 0.01UF	⚠
C1502	ECKETS103MF	CERAMIC 125V 0.01UF	⚠
C1502	VCKST3G103MY	CERAMIC 250V 0.01UF	⚠
C1502	VCKSU3D103MY	CERAMIC 125V 0.01UF	⚠
C1503	ECKATS103MF	CERAMIC 250V 0.01UF	⚠
C1503	VCKSEKD103PZ	CERAMIC 125V 0.01UF	⚠
C1503	VCKSEMD103PZ	CERAMIC 125V 0.01UF	⚠
C1503	VCKSGKD103QZ	CERAMIC 125V 0.01UF	⚠
C1503	VCKSGMD103QZ	CERAMIC 125V 0.01UF	⚠
C1503	VCKSTKG103ZY	CERAMIC 125V 0.01UF	⚠
C1503	VCKSTMG103ZY	CERAMIC 125V 0.01UF	⚠
C1503	VCKSUKD103MY	CERAMIC 125V 0.01UF	⚠
C1503	VCKSUMD103MY	CERAMIC 125V 0.01UF	⚠
C1504	F1B2E152A012	CERAMIC 250V 1500PF	⚠
C1504	F1B2E152A011	CERAMIC 250V 1500PF	⚠
C1504	F1B2E152A044	CERAMIC 250V 1500PF	⚠
C1504	F1B2E152A045	CERAMIC 250V 1500PF	⚠
C1504	F1B2E1520002	CERAMIC 250V 1500PF	⚠
C1504	F1B2E1520006	CERAMIC 250V 1500PF	⚠
C1505	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C1506	ECJ2VC1H471J	C CHIP 50V 470PF	

Ref. No.	Part No.	Part Name & Description	Remarks
C1507	ECEA2DU121YE	ELECTROLYTIC 200V 120UF	⚠
C1507	F2A2D1210001	ELECTROLYTIC 200V 120UF	⚠
C1507	F2A2D1210003	ELECTROLYTIC 200V 120UF	⚠
C1507	VCESR2D121XE	ELECTROLYTIC 200V 120UF	⚠
C1508	F1B3D152A010	CERAMIC DISC CAPACITORS	
C1509	ECKR2H221KB5	CERAMIC 500V 220PF	
C1510	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C1511	ECKN3A222KBP	CERAMIC 1KV 2200PF	
C1512	ECJ2VB1H821K	C CHIP 50V 820PF	
C1515	ECJ2VC1H101J	C CHIP 50V 100PF	
C1516	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1517	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1518	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C1519	EEUFF0J222E	ELECTROLYTIC 6.3V 2200UF	
C1520	ECA1CM102B	ELECTROLYTIC 16V 1000UF	
C1521	ECJ2VB1C224K	C CHIP 16V 0.22UF	
C1522	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1523	ECA0JM102B	ELECTROLYTIC 6.3V 1000UF	
C1525	ECA0JM102B	ELECTROLYTIC 6.3V 1000UF	
C1526	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1527	ECA0JM102B	ELECTROLYTIC 6.3V 1000UF	
C1528	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1530	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C1531	ECJ2YB1C334K	C CHIP 16V 0.33UF	
C1533	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C1535	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C1536	ECJ2FB1C105K	C CHIP 16V 1UF	
C1537	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C1538	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1539	ECEA0JEE101B	ELECTROLYTIC 6.3V 100UF	
C1540	ECA0JM101B	ELECTROLYTIC 6.3V 100UF	
C1541	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1542	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1545	ECA1CM331B	ELECTROLYTIC 16V 330UF	
C1546	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C1547	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C1548	ECJ2VB1H104K	C CHIP 50V 0.1UF	
C1549	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1550	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1552	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C1553	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1555	ECJ2FB1C105K	C CHIP 16V 1UF	
C1556	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C1557	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C1605	ECJ2VC1H270J	C CHIP 50V 27PF	
C1606	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C1607	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C7002	ECJ2VB1H102K	C CHIP 50V 1000PF	
C7003	ECJ2VC1H330J	C CHIP 50V 33PF	
C7005	ECJ2VC1H330J	C CHIP 50V 33PF	
C7006	ECA0JM102B	ELECTROLYTIC 6.3V 1000UF	
C7007	ECJ2VB1H102K	C CHIP 50V 1000PF	
C7008	ECJ2VF1H103Z	C CHIP 50V 0.01UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C7010	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C7011	ECJ2VB1H222K	C CHIP 50V 2200PF	
C9502	ECJ2VF1H103Z	C CHIP 50V 0.01UF (F)	
C9504	ECEA1CKA100	ELECTROLYTIC 16V 10UF (F)	
C9505	ECEA1CKA100	ELECTROLYTIC 16V 10UF (F)	
C9506	ECJ2VF1H103Z	C CHIP 50V 0.01UF (F)	
C9507	ECEA1CKA220B	ELECTROLYTIC 16V 22UF (F)	
C9508	ECEA1CKA100	ELECTROLYTIC 16V 10UF (F)	
C9510	ECJ2VF1H103Z	C CHIP 50V 0.01UF (F)	
C9511	ECJ2VF1H103Z	C CHIP 50V 0.01UF (F)	
C9514	ECJ2VF1H103Z	C CHIP 50V 0.01UF (F)	
C9515	ECEA1CKA100	ELECTROLYTIC 16V 10UF (F)	
C9518	ECJ2VF1C105Z	C CHIP 16V 1UF (F)	
C9519	ECA1CM101B	ELECTROLYTIC 16V 100UF (F)	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L1501	ELF15N010A	LINE FILTER	⚠
L1501	J0HBLG000004	LINE FILTER	⚠
L1502	J0JHB0000021	FILTER	
L1503	J0JHB0000021	FILTER	
L1504	VLQSAB7D220K	COIL 22UH	
L1505	VLQSAB7D100K	COIL 10UH	
L1506	ELEXT101KE04	COIL 100UH	
L1507	G0A100YA0001	COIL	
L1509	VLQSAB7D220K	COIL 22UH	
L1510	G0A100YA0001	COIL	
L1511	EXCELDR25V	NOISE FILTER 0.25	
L1512	EXCELDR25V	NOISE FILTER 0.25	
L1601	LSLF0035	EMI FILTER CHIP	
L1603	LSLF0035	EMI FILTER CHIP	
L1604	ELESN220KA	COIL 22UH	
L7002	VLQSAB7D100K	COIL 10UH	
L9501	ELESN101KA	COIL 100UH (F)	
L9515	ELESN101KA	COIL 100UH (F)	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P1501	LSJP0814	CONNECTOR 2P	
P1502	VEKS5880	CONNECTOR CABLE W/PLUG,0V	
P1529	VEKS5890-FE	CONNECTOR CABLE W/PLUG,	
P7003	VJPS0770	CONNECTOR PLUG 11P	
P7007	VJPS0771	CONNECTOR PLUG 13P	
P7008	VJPS0770	CONNECTOR PLUG 11P (F)	
P7008	VJPS0769	CONNECTOR PLUG 7P (I)	

FUSE & PROTECTOR

Ref. No.	Part No.	Part Name & Description	Remarks
F1501	K5D302AQ0003	FUSE 125V 3A	⚠
F1501	K5D302ADA002	FUSE 125V 3A	⚠
F1501	K5D302AD0002	FUSE 125V 3A	⚠
PR1501	UNH000600A	IC PROTECTOR 1.5A	⚠
PR1501	B1ZAZ0000040	IC PROTECTOR 1.5A	⚠
PR1501	LSSF009A25E	IC PROTECTOR 1.5A	⚠
PR1502	UNH000600A	IC PROTECTOR 1.5A	⚠
PR1502	B1ZAZ0000040	IC PROTECTOR 1.5A	⚠
PR1502	LSSF009A25E	IC PROTECTOR 1.5A	⚠
PR1503	UNH000600A	IC PROTECTOR 1.5A	⚠
PR1503	B1ZAZ0000040	IC PROTECTOR 1.5A	⚠
PR1503	LSSF009A25E	IC PROTECTOR 1.5A	⚠
PR1504	LSSF009A35E	IC PROTECTOR	⚠

TRANSFORMER

Ref. No.	Part No.	Part Name & Description	Remarks
T1501	LSTP0125	TRANSFORMER	⚠

JACKS

Ref. No.	Part No.	Part Name & Description	Remarks
JK1601	B3RAE0000007	IC, JACK OPTICAL OUTPUT	
JK9501	K1CB104B0040	S-VIDEO JACK SOCKET (F)	
JK9502	K2HA305B0003	AUDIO/VIDEO JACK SOCKET (F)	
JK9503	K2HA203B0011	AUDIO/VIDEO JACK SOCKET	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
483	XYN3+F10S	SCREW W/WASHER,STEEL	
771	EYF52BC	FUSE HOLDER	
772	LSSC0408	HEAT SINK	
743	ENG36715G	TUNER,UHF/VHF NR	

14.3.7. OPERATION C.B.A.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC4701	C0ABBB000017	IC, LINEAR	
IC4701	C1BB00000177	IC, LINEAR	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q4701	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q4701	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q4710	2SB1218A0L	TRANSISTOR SI PNP CHIP (F)	
Q4710	B1ADCF000063	TRANSISTOR SI PNP CHIP (F)	
Q4711	2SB1218A0L	TRANSISTOR SI PNP CHIP (F)	
Q4711	B1ADCF000063	TRANSISTOR SI PNP CHIP (F)	
Q4712	2SD1819A0L	TRANSISTOR SI NPN CHIP (F)	
Q4712	B1ABCF000020	TRANSISTOR SI NPN CHIP (F)	
Q4713	2SD1819A0L	TRANSISTOR SI NPN CHIP (F)	
Q4713	B1ABCF000020	TRANSISTOR SI NPN CHIP (F)	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D4591	MAZ41300HF	DIODE ZENER 13V	
D4592	MAZ41300HF	DIODE ZENER 13V	
D4593	MAZ41300HF	DIODE ZENER 13V	
D4594	MAZ41300HF	DIODE ZENER 13V	
D4706	MA2C165001VT	DIODE SI	
D4706	B0AACK000004	DIODE SI	
D4706	1SS119	DIODE SI	
D4707	MA2C165001VT	DIODE SI	
D4707	B0AACK000004	DIODE SI	
D4707	1SS119	DIODE SI	
D4710	MAZ40510MF	DIODE ZENER 5.1V	
D4710	HZS5C2TD	DIODE ZENER 5.1V	
D4710	HZS5C3TD	DIODE ZENER 5.1V	
D4711	MAZ40510MF	DIODE ZENER 5.1V	
D4711	HZS5C2TD	DIODE ZENER 5.1V	
D4711	HZS5C3TD	DIODE ZENER 5.1V	
D4712	MAZ40510MF	DIODE ZENER 5.1V (F)	
D4712	HZS5C2TD	DIODE ZENER 5.1V (F)	
D4712	HZS5C3TD	DIODE ZENER 5.1V (F)	
D4713	MAZ40510MF	DIODE ZENER 5.1V (F)	
D4713	HZS5C2TD	DIODE ZENER 5.1V (F)	
D4713	HZS5C3TD	DIODE ZENER 5.1V (F)	
D4714	MAZ40910MF	DIODE ZENER 9.1V (F)	
D4714	B0BA8R700009	DIODE ZENER 9.1V (F)	
D4714	RD9.1ESAB2	DIODE ZENER 9.1V (F)	
D4715	MA2C165001VT	DIODE SI	
D4715	B0AACK000004	DIODE SI	
D4715	1SS119	DIODE SI	
D4716	MA2C165001VT	DIODE SI	
D4716	B0AACK000004	DIODE SI	
D4716	1SS119	DIODE SI	
D4717	MA2C165001VT	DIODE SI	

Ref. No.	Part No.	Part Name & Description	Remarks
D4717	B0AACK000004	DIODE SI	
D4717	1SS119	DIODE SI	
D4718	MA2C165001VT	DIODE SI	
D4718	B0AACK000004	DIODE SI	
D4718	1SS119	DIODE SI	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R4591	ERDS2TJ331	CARBON 1/4W 330	
R4592	ERDS2TJ331	CARBON 1/4W 330	
R4593	ERDS2TJ331	CARBON 1/4W 330	
R4594	ERDS2TJ331	CARBON 1/4W 330	
R4701	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R4702	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4703	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R4704	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4705	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R4706	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R4707	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R4710	ERJ6GEYJ750V	MGF CHIP 1/10W 75	
R4711	ERJ6GEYJ750V	MGF CHIP 1/10W 75 (F)	
R4712	ERJ6GEYJ393V	MGF CHIP 1/10W 39K (F)	
R4713	ERJ6GEYJ103V	MGF CHIP 1/10W 10K (F)	
R4714	ERJ6GEYJ102V	MGF CHIP 1/10W 1K (F)	
R4715	ERJ6GEYJ271V	MGF CHIP 1/10W 270 (F)	
R4716	ERJ6GEYJ473V	MGF CHIP 1/10W 47K (F)	
R4717	ERJ6GEYJ473V	MGF CHIP 1/10W 47K (F)	
R4718	ERJ6GEYJ102V	MGF CHIP 1/10W 1K (F)	
R4719	ERJ6GEYJ271V	MGF CHIP 1/10W 270 (F)	
R4720	ERJ6GEYJ223V	MGF CHIP 1/10W 22K (F)	
R4721	ERJ6GEYJ273V	MGF CHIP 1/10W 27K (F)	
R4722	ERJ6GEYJ271V	MGF CHIP 1/10W 270 (F)	
R4724	ERJ6GEYJ101V	MGF CHIP 1/10W 100 (F)	
R4725	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K (F)	
R4726	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K (F)	
R6381	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6382	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6383	ERJ6GEYJ123V	MGF CHIP 1/10W 12K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C4591	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C4592	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C4701	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4702	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4703	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4704	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4707	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4708	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4710	ECEA1CKA220	ELECTROLYTIC 16V 22UF (F)	
C4711	ECJ2VF1H103Z	C CHIP 50V 0.01UF (F)	
C4713	ECJ2VF1H103Z	C CHIP 50V 0.01UF (F)	
C4714	ECJ2VF1H103Z	C CHIP 50V 0.01UF (F)	
C4715	ECJ2VF1C105Z	C CHIP 16V 1UF (F)	
C4716	ECEA1CKA101I	ELECTROLYTIC 16V 100UF (F)	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L4701	ELESN101KA	COIL 100UH	
L4710	ELESN101KA	COIL 100UH (F)	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P4591	K1KA05A00177	CONNECTOR 5P	
P4701	VJPS0772	CONNECTOR PLUG 19P (F)	
P4701	VJPS0771	CONNECTOR PLUG 13P (I)	

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW6381	EVQ21405R	SWITCH PUSH	
SW6382	EVQ21405R	SWITCH PUSH	
SW6383	EVQ21405R	SWITCH PUSH	
SW6384	EVQ21405R	SWITCH PUSH	

JACKS

Ref. No.	Part No.	Part Name & Description	Remarks
JK4591	K2HC103B0047	EARPHONE JACK SOCKET	
JK4701	K1CB104B0040	S-VIDEO JACK SOCKET (F)	
JK4702	LSJJ0168	FRONT AUDIO/VIDEO JACK SOCKET	

14.3.8. CRT C.B.A.

(Model: F)

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q351	2SC3063	TRANSISTOR SI NPN	
Q351	2SC3271F-N	TRANSISTOR SI NPN	
Q351	2SC3619	TRANSISTOR SI NPN	
Q352	2SC3063	TRANSISTOR SI NPN	
Q352	2SC3271F-N	TRANSISTOR SI NPN	
Q352	2SC3619	TRANSISTOR SI NPN	
Q353	2SC3063	TRANSISTOR SI NPN	
Q353	2SC3271F-N	TRANSISTOR SI NPN	
Q353	2SC3619	TRANSISTOR SI NPN	
Q354	2SC3311AHA	TRANSISTOR SI NPN	
Q355	2SC3311AHA	TRANSISTOR SI NPN	
Q356	2SC3311AHA	TRANSISTOR SI NPN	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R351	ERG2ANJ153H	METAL OXIDE 2W 15K	
R352	ERG2ANJ153H	METAL OXIDE 2W 15K	
R353	ERG2ANJ153H	METAL OXIDE 2W 15K	
R354	ERD25TJ272	CARBON 1/4W 2.7K	
R355	ERD25TJ272	CARBON 1/4W 2.7K	
R356	ERD25TJ272	CARBON 1/4W 2.7K	
R357	ERDS2TJ332	CARBON 1/4W 3.3K	
R358	ERDS2TJ332	CARBON 1/4W 3.3K	
R359	ERDS2TJ332	CARBON 1/4W 3.3K	
R360	ERDS2TJ331	CARBON 1/4W 330	
R361	ERDS2TJ331	CARBON 1/4W 330	
R362	ERDS2TJ331	CARBON 1/4W 330	
R363	ERDS2TJ101	CARBON 1/4W 100	
R364	ERDS2TJ101	CARBON 1/4W 100	
R365	ERDS2TJ101	CARBON 1/4W 100	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C351	F1D1H471A012	CERAMIC 50V 470PF	
C352	F1D1H471A012	CERAMIC 50V 470PF	
C353	F1D1H471A012	CERAMIC 50V 470PF	
C354	F1B3D1020008	CERAMIC 2KV 1000PF	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P351	LSJWR4N410AC	CONNECTOR CABLE W/OUT PLUG,12V DC	
P352	LSJWS6N410AC	CONNECTOR CABLE W/OUT PLUG,220V DC	
P355	K3B01YZ00001	CONNECTOR 1P	
P360	K3B09CA00005	CRT SOCKET	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
96	TMM7464-1	CLAMPER	

14.3.9. CRT C.B.A.

(Model: I)

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
----------	A
----------	B
----------	C
----------	D
----------	E
PV-DF2703-K	F
----------	G
----------	H
PV-DM2793-K	I

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q351	2SC3063	TRANSISTOR SI NPN	
Q351	2SC3271F-N	TRANSISTOR SI NPN	
Q351	2SC3619	TRANSISTOR SI NPN	
Q352	2SC3063	TRANSISTOR SI NPN	
Q352	2SC3271F-N	TRANSISTOR SI NPN	
Q352	2SC3619	TRANSISTOR SI NPN	
Q353	2SC3063	TRANSISTOR SI NPN	
Q353	2SC3271F-N	TRANSISTOR SI NPN	
Q353	2SC3619	TRANSISTOR SI NPN	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D351	MAZ41500MF	DIODE ZENER 15V	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R351	ERG2ANJ153H	METAL OXIDE 2W 15K	
R352	ERG2ANJ153H	METAL OXIDE 2W 15K	
R353	ERG2ANJ153H	METAL OXIDE 2W 15K	
R354	ERD25TJ272	CARBON 1/4W 2.7K	
R355	ERD25TJ272	CARBON 1/4W 2.7K	
R356	ERD25TJ272	CARBON 1/4W 2.7K	
R357	ERDS2TJ332	CARBON 1/4W 3.3K	
R358	ERDS2TJ332	CARBON 1/4W 3.3K	
R359	ERDS2TJ332	CARBON 1/4W 3.3K	
R360	ERDS2TJ331	CARBON 1/4W 330	
R361	ERDS2TJ331	CARBON 1/4W 330	
R362	ERDS2TJ331	CARBON 1/4W 330	
R363	ERDS2TJ101	CARBON 1/4W 100	
R364	ERDS2TJ101	CARBON 1/4W 100	
R365	ERDS2TJ101	CARBON 1/4W 100	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C351	F1D1H561A012	CERAMIC 50V 560PF	
C352	F1D1H561A012	CERAMIC 50V 560PF	
C353	F1D1H561A012	CERAMIC 50V 560PF	
C354	F1B3D1020008	CERAMIC 2KV 1000PF	
C357	ECA1CM220B	ELECTROLYTIC 16V 22UF	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P351	LSJWR4N410AC	CONNECTOR CABLE W/OUT PLUG,12V DC	
P352	LSJWS4N440AC	CONNECTOR CABLE W/OUT PLUG,220V DC	
P353	K3B09CA00005	CRT SOCKET	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
153	TMM7443-1	CLAMPER	

14.3.10. DVD MAIN C.B.A.

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC8001	MN2DS0002VP	IC, LINEAR	
IC8002	LSSK0024	IC, 4K EEP ROM	E.S.D.
IC8003	C1DB00000918	IC, LINEAR	
IC8005	C0DBZFZ00011	IC, LINEAR	
IC8005	C0DBZFZ00010	IC, LINEAR	
IC8201	LSSK0028	IC, 16MBIT FLASH MEMORY	E.S.D.
IC8202	C0JBAH000074	IC, CMOS STANDARD LOGIC	E.S.D.
IC8202	C0JBAH000078	IC, CMOS STANDARD LOGIC	E.S.D.
IC8203	C0JBAH000074	IC, CMOS STANDARD LOGIC	E.S.D.
IC8203	C0JBAH000078	IC, CMOS STANDARD LOGIC	E.S.D.
IC8204	C3ABQJ000001	IC, 128MBIT SD RAM	E.S.D.
IC8204	C3ABQJ000005	IC, 128MBIT SD RAM	E.S.D.
IC8204	C3ABQJ000012	IC, 128MBIT SD RAM	E.S.D.
IC8501	C0FBBK000035	IC, LINEAR	
IC8503	AN6552S	IC, LINEAR	
IC8801	C0GBL0000003	IC, LINEAR	
IC8950	AN6552S	IC, LINEAR	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q8401	2SB1218ARL	TRANSISTOR SI PNP CHIP	
Q8402	2SB1218ARL	TRANSISTOR SI PNP CHIP	
Q8403	2SB1218ARL	TRANSISTOR SI PNP CHIP	
Q8404	2SB1218ARL	TRANSISTOR SI PNP CHIP	
Q8601	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q8601	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q8602	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q8602	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q8603	2SB14400RL	TRANSISTOR SI PNP CHIP	
Q8603	2SB14400SL	TRANSISTOR SI PNP CHIP	
Q8901	UNR521100L	TRANSISTOR SI NPN CHIP	
Q8901	B1GBCFJJ0007	TRANSISTOR SI NPN CHIP	
Q8902	UNR511500L	TRANSISTOR SI PNP CHIP	
Q8902	B1GDCFJJ0025	TRANSISTOR SI PNP CHIP	
Q8905	B1CFGD000002	TRANSISTOR FET CHIP	
Q8905	XP0187800L	TRANSISTOR FET CHIP	
Q8906	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q8906	B1ADCF000001	TRANSISTOR SI PNP CHIP	
Q8907	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q8907	B1ADCF000001	TRANSISTOR SI PNP CHIP	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R8001	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R8002	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R8004	ERJ12YJ1R0U	MGF CHIP 1/2W 1	
R8005	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R8013	ERJ3GEYJ221V	MGF CHIP 1/16W 220	
R8014	ERJ3GEYJ221V	MGF CHIP 1/16W 220	
R8017	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8020	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R8021	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8022	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8023	ERJ3GEYJ270V	MGF CHIP 1/16W 27	
R8024	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8028	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8031	ERJ3GEYF153V	MGF CHIP 1/16W 15K	
R8032	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R8033	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R8034	ERJ3GEYF153V	MGF CHIP 1/16W 15K	
R8036	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8042	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8043	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8044	EVM3YSX50B23	VARIABLE 2K	
R8045	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8048	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8049	ERJ3GEYJ561V	MGF CHIP 1/16W 560	
R8050	ERJ3GEYJ561V	MGF CHIP 1/16W 560	
R8051	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8202	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8212	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R8213	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8223	EXB38V330JV	ARRAY CHIP 1/16W 33	

Ref. No.	Part No.	Part Name & Description	Remarks
R8226	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8230	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8235	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8239	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R8241	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R8242	EXB38V100JV	ARRAY CHIP 1/16W 10	
R8244	EXB38V100JV	ARRAY CHIP 1/16W 10	
R8248	EXB38V100JV	ARRAY CHIP 1/16W 10	
R8249	ERJ3GEYJ100V	MGF CHIP 1/16W 10	
R8253	EXB38V100JV	ARRAY CHIP 1/16W 10	
R8259	EXB38V100JV	ARRAY CHIP 1/16W 10	
R8263	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8267	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8268	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8272	EXB38V330JV	ARRAY CHIP 1/16W 33	
R8401	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8402	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8403	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8404	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8405	ERJ3GEYJ302V	MGF CHIP 1/16W 3K	
R8406	ERJ3GEYJ302V	MGF CHIP 1/16W 3K	
R8409	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8410	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8423	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8424	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8425	ERJ3GEYJ750V	MGF CHIP 1/16W 75	
R8426	ERJ3GEYJ360V	MGF CHIP 1/16W 36	
R8427	ERJ3GEYJ360V	MGF CHIP 1/16W 36	
R8501	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8502	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8503	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8504	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8518	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R8520	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R8533	ERJ3GEYF153V	MGF CHIP 1/16W 15K	
R8534	ERJ3GEYJ622V	MGF CHIP 1/16W 6.2K	
R8535	ERJ3GEYF153V	MGF CHIP 1/16W 15K	
R8536	ERJ3GEYJ622V	MGF CHIP 1/16W 6.2K	
R8557	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8558	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8565	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8566	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8567	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8568	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8569	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8604	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8605	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8606	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8608	ERJ3GEYF392V	MGF CHIP 1/16W 3.9K	
R8626	ERJ3GEYF153V	MGF CHIP 1/16W 15K	
R8627	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8628	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8629	ERJ3GEYJ683V	MGF CHIP 1/16W 68K	
R8631	ERJ3GEYJ471V	MGF CHIP 1/16W 470	

Ref. No.	Part No.	Part Name & Description	Remarks
R8632	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8633	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8634	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8637	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8638	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8639	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8640	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8643	ERJ3GEYJ271V	MGF CHIP 1/16W 270	
R8644	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R8645	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8646	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R8647	ERJ3GEYJ682V	MGF CHIP 1/16W 6.8K	
R8648	ERJ3GEYJ203V	MGF CHIP 1/16W 20K	
R8649	ERJ3GEYJ203V	MGF CHIP 1/16W 20K	
R8650	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8801	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8807	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R8808	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R8809	ERJ8GEYJ1R0Z	MGF CHIP 1/8W 1	
R8810	ERJ8GEYJ1R0Z	MGF CHIP 1/8W 1	
R8811	ERJ8GEYJ1R0Z	MGF CHIP 1/8W 1	
R8812	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R8813	ERJ6GEYJ1R0V	MGF CHIP 1/10W 1	
R8814	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R8815	ERJ6GEYJ1R0V	MGF CHIP 1/10W 1	
R8816	ERJ6GEYJ1R0V	MGF CHIP 1/10W 1	
R8817	ERJ6GEYJ1R0V	MGF CHIP 1/10W 1	
R8818	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8901	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8905	ERJ3GEYJ823V	MGF CHIP 1/16W 82K	
R8907	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R8909	ERJ8GEYJ100V	MGF CHIP 1/8W 10	
R8910	ERJ8GEYJ100V	MGF CHIP 1/8W 10	
R8911	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	
R8912	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8913	ERJ3GEYJ560V	MGF CHIP 1/16W 56	
R8914	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8915	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8916	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8921	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8922	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8923	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8924	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8925	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8926	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8927	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8928	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8929	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8930	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R8950	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8951	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8952	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8953	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R8954	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	

Ref. No.	Part No.	Part Name & Description	Remarks
R8955	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R8956	ERJ3GEYJ562V	MGF CHIP 1/16W 5.6K	
R8957	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C8001	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8002	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8005	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C8006	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C8007	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8008	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8009	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8010	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8011	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8012	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8013	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8014	ECJ1VF1E104Z	C CHIP 25V 0.1UF	
C8015	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8016	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8017	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8018	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8019	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8020	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8021	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8022	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8023	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8024	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8025	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8026	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8027	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8028	ECJ1VC1H330J	C CHIP 50V 33PF	
C8029	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8030	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8031	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8032	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8033	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8034	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8035	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8036	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8037	ECJ1VC1H080C	C CHIP 50V 8PF	
C8038	ECJ1VC1H080C	C CHIP 50V 8PF	
C8039	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C8040	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8041	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8201	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
C8202	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8203	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8204	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8205	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
C8206	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8207	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8208	ECJ1VB0J105K	C CHIP 6.3V 1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C8209	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8210	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8211	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8212	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8213	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8214	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8215	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8216	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8217	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8412	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C8413	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8414	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8415	ECJ1VC1H220J	C CHIP 50V 22PF	
C8416	ECJ1VC1H220J	C CHIP 50V 22PF	
C8417	ECJ1VC1H390J	C CHIP 50V 39PF	
C8418	ECJ1VC1H390J	C CHIP 50V 39PF	
C8419	ECJ1VC1H390J	C CHIP 50V 39PF	
C8420	ECJ1VC1H390J	C CHIP 50V 39PF	
C8421	ECJ1VC1H220J	C CHIP 50V 22PF	
C8422	ECJ1VC1H220J	C CHIP 50V 22PF	
C8423	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8424	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8425	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C8504	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8505	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8506	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8507	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8508	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8512	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8513	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8520	ECEA1AKA330I	ELECTROLYTIC 10V 33UF	
C8521	ECEA1CKA101	ELECTROLYTIC 16V 100UF	
C8522	ECJ1VF1C104Z	C CHIP 16V 0.1UF	
C8523	ECEA1AKA330I	ELECTROLYTIC 10V 33UF	
C8536	ECJ1VC1H101J	C CHIP 50V 100PF	
C8537	ECJ1VC1H101J	C CHIP 50V 100PF	
C8544	ECJ1VB1H102K	C CHIP 50V 1000PF	
C8545	ECJ1VB1H102K	C CHIP 50V 1000PF	
C8553	ECJ1VB1H472K	C CHIP 50V 4700PF	
C8555	ECJ1VB1H472K	C CHIP 50V 4700PF	
C8568	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8569	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C8571	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C8572	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
C8573	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8574	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8603	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8604	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8605	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8606	ECJ1VB1E333K	C CHIP 25V 0.033UF	
C8607	ECJ1VC1H330J	C CHIP 50V 33PF	
C8608	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8610	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8611	ECJ1VB0J105K	C CHIP 6.3V 1UF	

Ref. No.	Part No.	Part Name & Description	Remarks
C8612	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8613	ECJ1VC1H101J	C CHIP 50V 100PF	
C8614	ECJ1VB1E183K	C CHIP 25V 0.018UF	
C8615	ECJ1VB1H562K	C CHIP 50V 5600PF	
C8616	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8619	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8620	ECJ1VC1H221J	C CHIP 50V 220PF	
C8621	ECJ1VB0J103K	C CHIP 6.3V 0.01UF	
C8622	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8624	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8625	ECJ1VB1C153K	C CHIP 16V 0.015UF	
C8626	ECJ1VB1C104K	C CHIP 16V 0.1UF	
C8630	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C8632	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C8638	ECJ1VB1C104K	C CHIP 16V 0.1UF	
C8639	ECJ1VB1C104K	C CHIP 16V 0.1UF	
C8640	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8642	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8643	ECJ1VB1H103K	C CHIP 50V 0.01UF	
C8644	ECJ1VC1H560J	C CHIP 50V 56PF	
C8645	ECJ1VC1H560J	C CHIP 50V 56PF	
C8648	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8649	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8650	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8651	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8652	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8653	ECJ2FB0J106K	C CHIP 6.3V 10UF	
C8806	F1K1A106A005	C CHIP 10V 10UF	
C8808	F1K1A106A005	C CHIP 10V 10UF	
C8809	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8810	ECJ1VC1H391J	C CHIP 50V 390PF	
C8811	ECJ1VB1C104K	C CHIP 16V 0.1UF	
C8812	ECJ1VB1C104K	C CHIP 16V 0.1UF	
C8813	ECJ1VC1H391J	C CHIP 50V 390PF	
C8814	ECJ1VB1A105K	C CHIP 16V 1UF	
C8815	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8816	ECJ1VB1H472K	C CHIP 50V 4700PF	
C8817	F1K1A106A005	C CHIP 10V 10UF	
C8818	F1K1A106A005	C CHIP 10V 10UF	
C8901	ECJ1VC1H680J	C CHIP 50V 68PF	
C8904	ECJ1VC1H471J	C CHIP 50V 470PF	
C8905	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8906	ECJ1VB0J105K	C CHIP 6.3V 1UF	
C8907	ECJ1VC1H221J	C CHIP 50V 220PF	
C8911	ECJ1VC1H561J	C CHIP 50V 560PF	
C8950	ECJ1VB1A105K	C CHIP 10V 1UF	
C8951	ECJ1VB1H272K	C CHIP 50V 2700PF	

FILTERS

Ref. No.	Part No.	Part Name & Description	Remarks
FL8401	F1Z1E2220002	EMI FILTER CHIP	
FL8402	J0HAAG000015	EMI FILTER CHIP	
FL8403	J0HAAG000015	EMI FILTER CHIP	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L8002	J0JHC0000027	EMI FILTER CHIP	
L8003	J0JDC0000002	EMI FILTER CHIP	
L8004	J0JCC0000117	EMI FILTER CHIP	
L8005	J0JCC0000215	EMI FILTER CHIP	
L8006	J0JCC0000215	EMI FILTER CHIP	
L8007	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8401	J0JDC0000002	EMI FILTER CHIP	
L8402	G1C270MA0021	INDUCTOR CHIP	
L8403	G1C270MA0021	INDUCTOR CHIP	
L8404	G1C330MA0021	INDUCTOR CHIP	
L8405	G1C330MA0021	INDUCTOR CHIP	
L8406	G1C270MA0021	INDUCTOR CHIP	
L8407	G1C270MA0021	INDUCTOR CHIP	
L8408	J0JDC0000002	EMI FILTER CHIP	
L8411	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8412	J0JHC0000068	EMI FILTER CHIP	
L8413	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8418	J0JBC0000010	EMI FILTER CHIP	
L8419	J0JBC0000010	EMI FILTER CHIP	
L8420	J0JBC0000010	EMI FILTER CHIP	
L8421	J0JBC0000010	EMI FILTER CHIP	
L8422	J0JBC0000010	EMI FILTER CHIP	
L8423	J0JBC0000010	EMI FILTER CHIP	
L8424	J0JBC0000010	EMI FILTER CHIP	
L8426	J0JHC0000078	EMI FILTER CHIP	
L8427	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
L8429	J0JHC0000078	EMI FILTER CHIP	
L8431	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8434	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8501	J0JBC0000010	EMI FILTER CHIP	
L8503	J0JBC0000010	EMI FILTER CHIP	
L8504	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8516	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8517	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L8601	J0JDC0000002	EMI FILTER CHIP	
L8602	J0JDC0000002	EMI FILTER CHIP	
L8620	J0JDC0000002	EMI FILTER CHIP	

CRYSTAL OSCILLATOR

Ref. No.	Part No.	Part Name & Description	Remarks
X8001	H0J368500019	CRYSTAL OSCILLATOR	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P8401	K1MN16A00060	CONNECTOR 16P	
P8402	K1MR10B00029	CONNECTOR 10P	
P8801	K1MN13B00062	CONNECTOR 13P	
P8901	K1MN26B00076	CONNECTOR 26P	

14.3.11. DVD SUB C.B.A.

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW8952	K0L1BA000015	SWITCH PUSH	
SW8953	K0L1BA000014	SWITCH PUSH	

15. SCHEMATIC DIAGRAMS FOR PRINTING WITH LETTER SIZE

POWER SUPPLY C.B.A. LSEP2078A (C,F) / LSEP2078B (I)

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

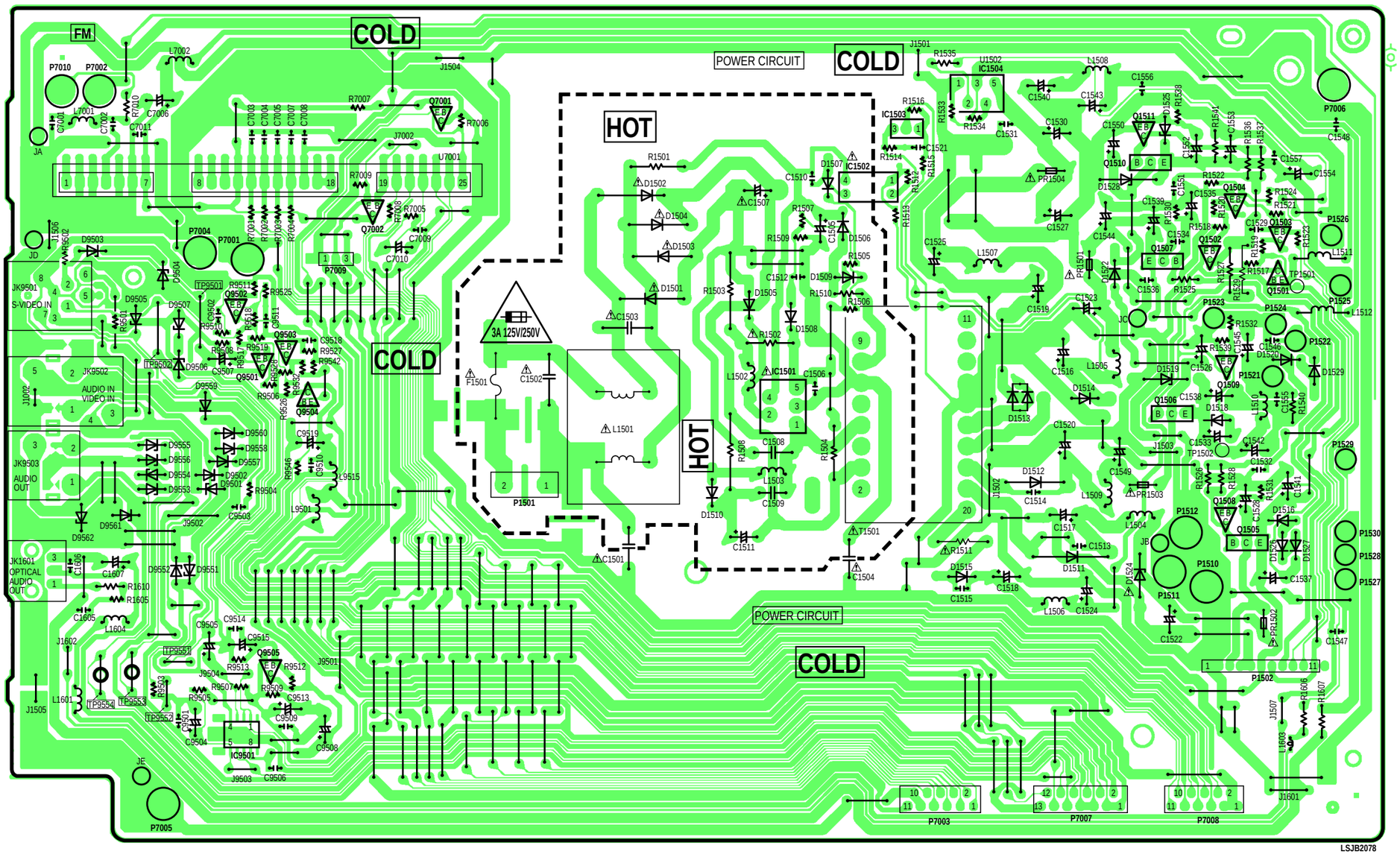
CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 3A 125V/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME
TYPE 3A 125V/250V

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

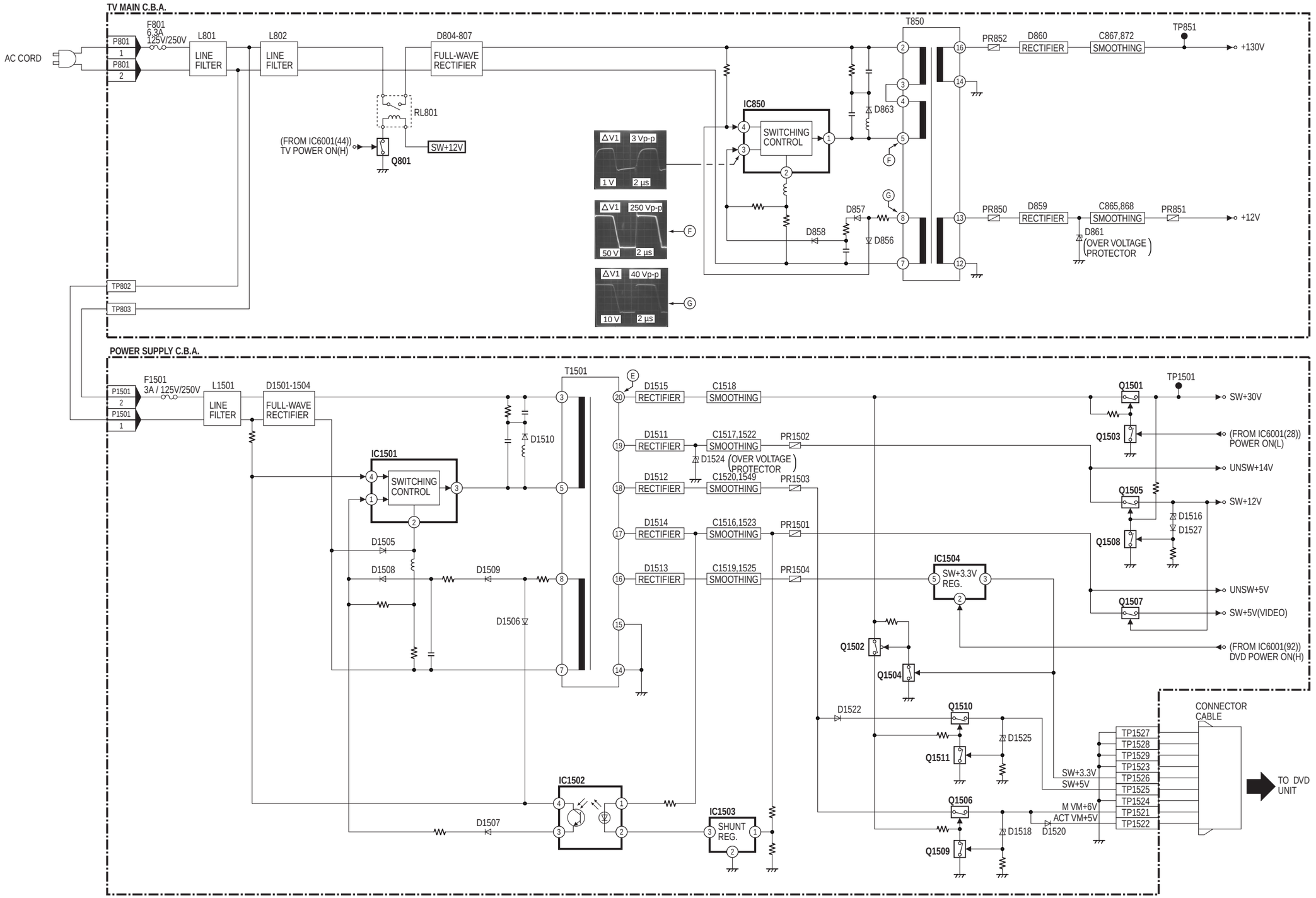
MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I

HOT CIRCUIT. BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING.



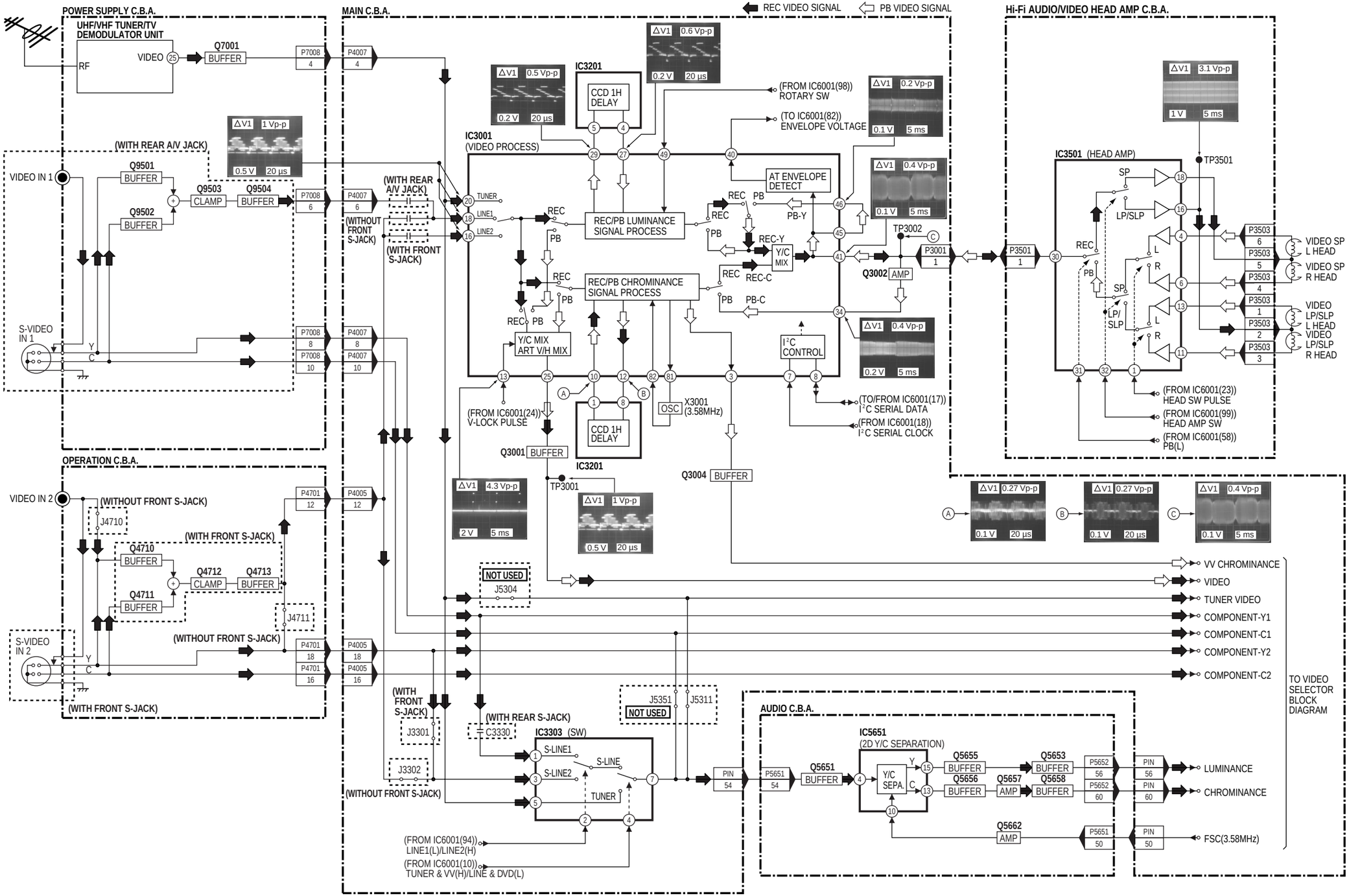
POWER SUPPLY C.B.A. LSEP2078A/LSEP2078B
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

POWER SUPPLY BLOCK DIAGRAM



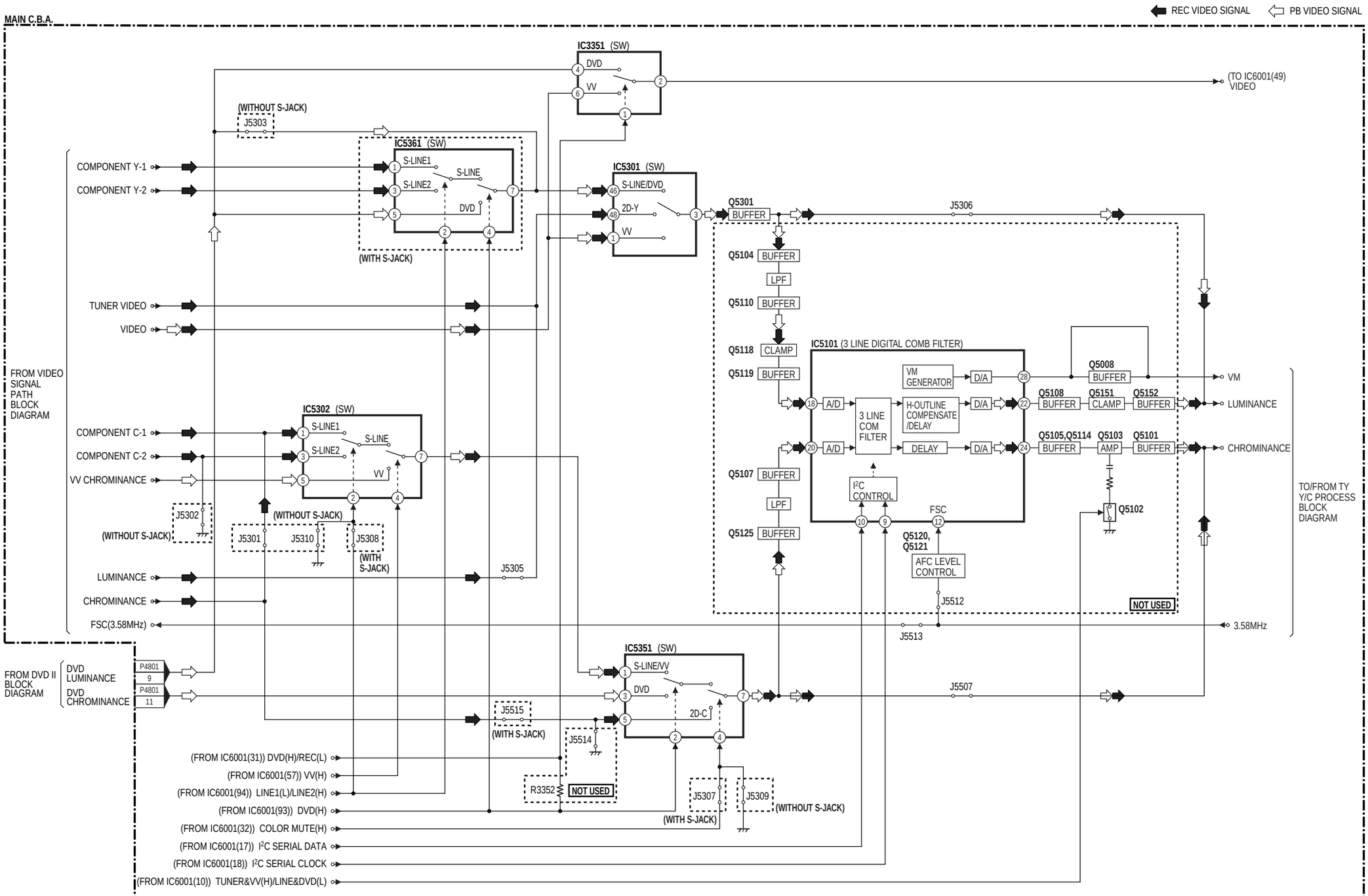
POWER SUPPLY BLOCK DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

VIDEO SIGNAL PATH BLOCK DIAGRAM

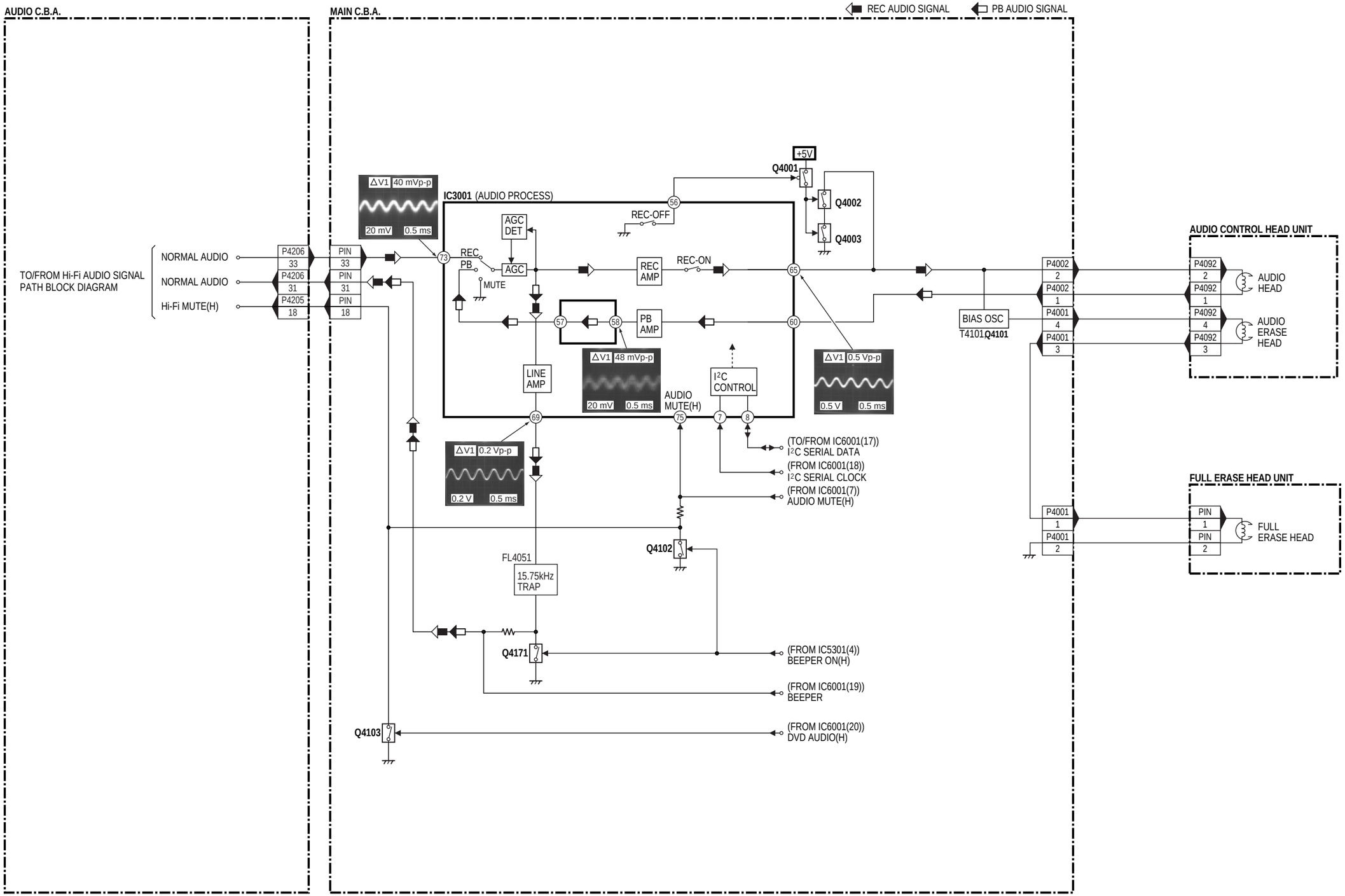


VIDEO SIGNAL PATH BLOCK DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

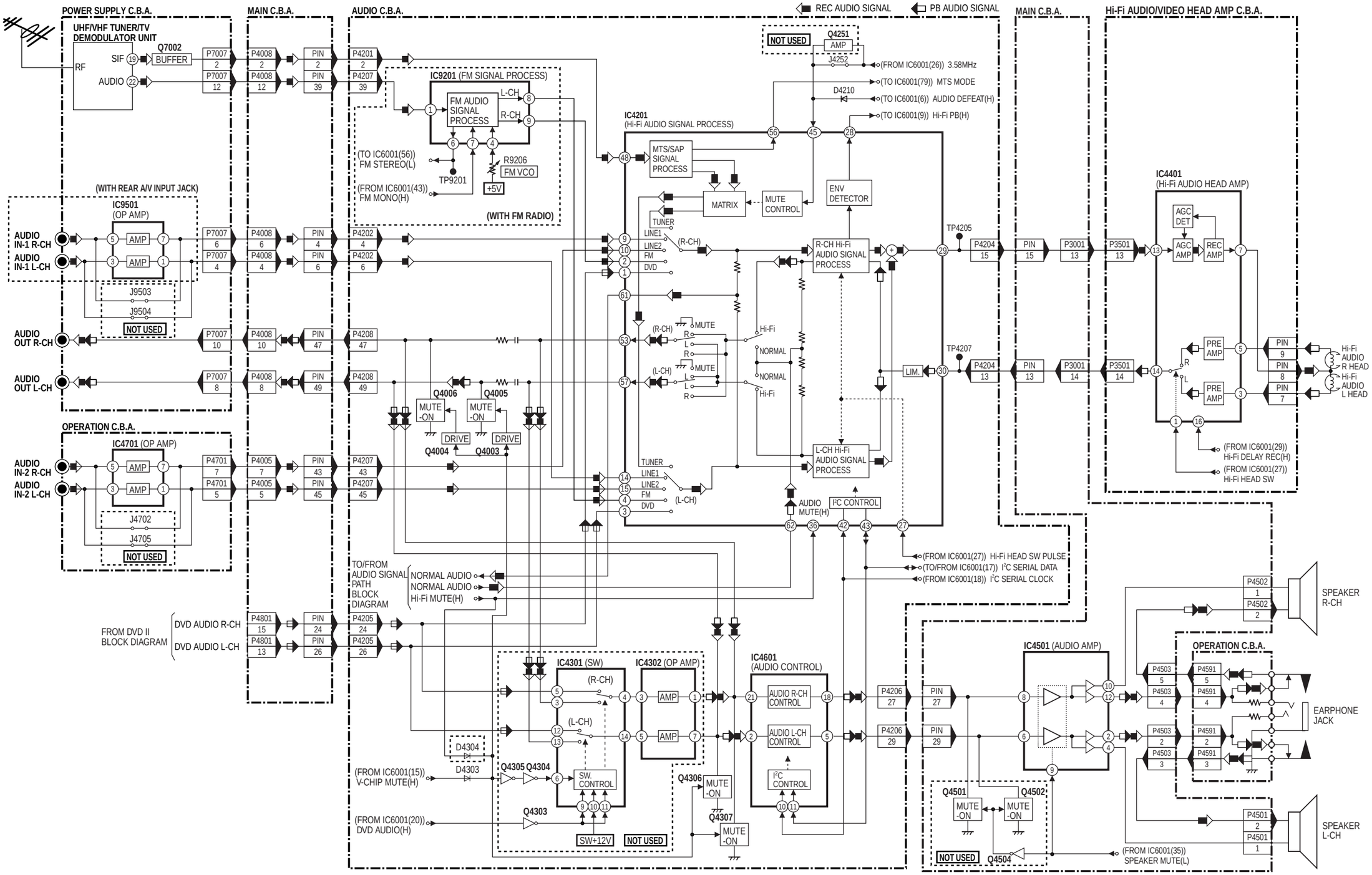
VIDEO SELECTOR BLOCK DIAGRAM



AUDIO SIGNAL PATH BLOCK DIAGRAM

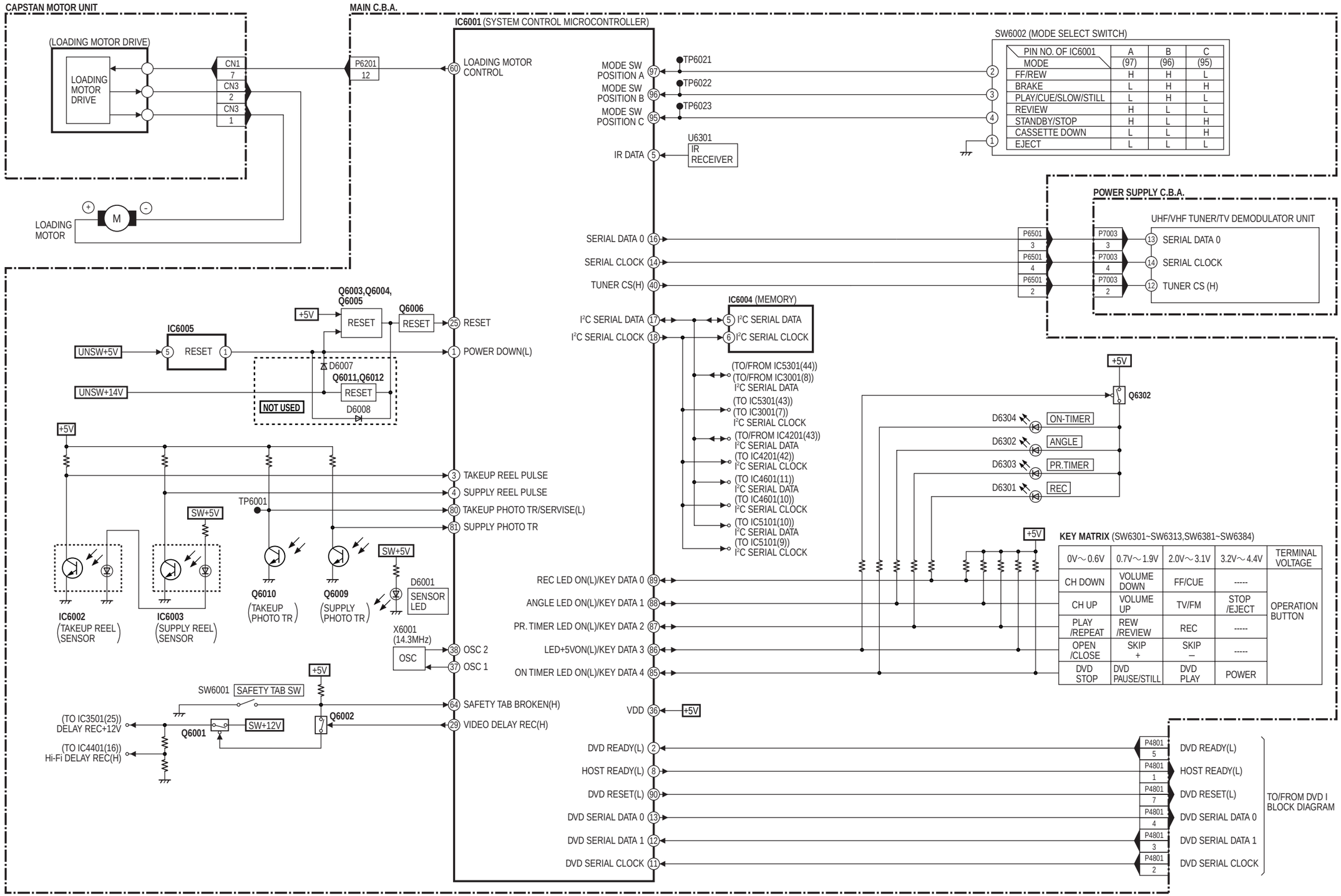


Hi-Fi AUDIO SIGNAL PATH BLOCK DIAGRAM



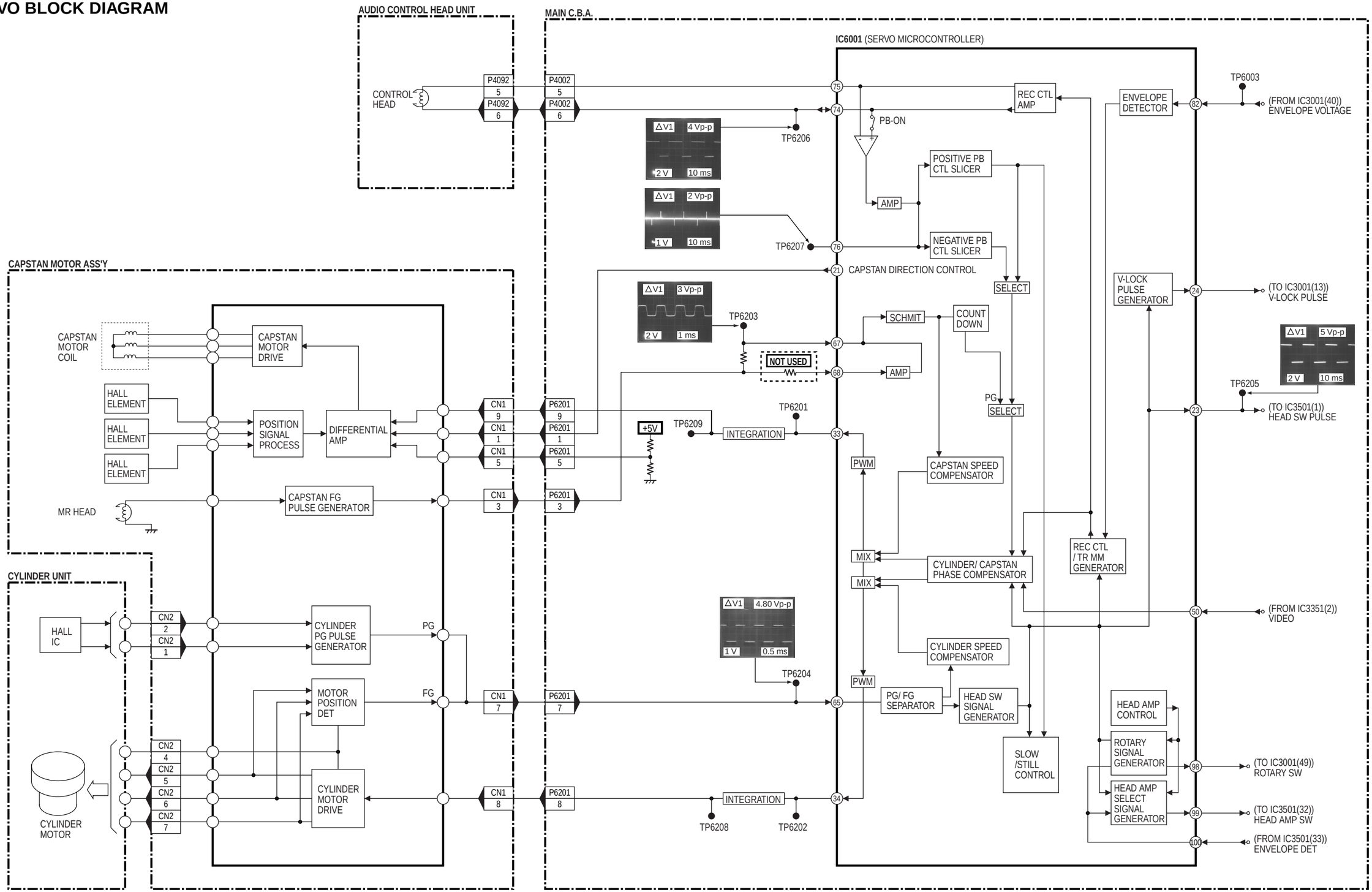
Hi-Fi AUDIO SIGNAL PATH BLOCK DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

SYSTEM CONTROL BLOCK DIAGRAM



SYSTEM CONTROL BLOCK DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

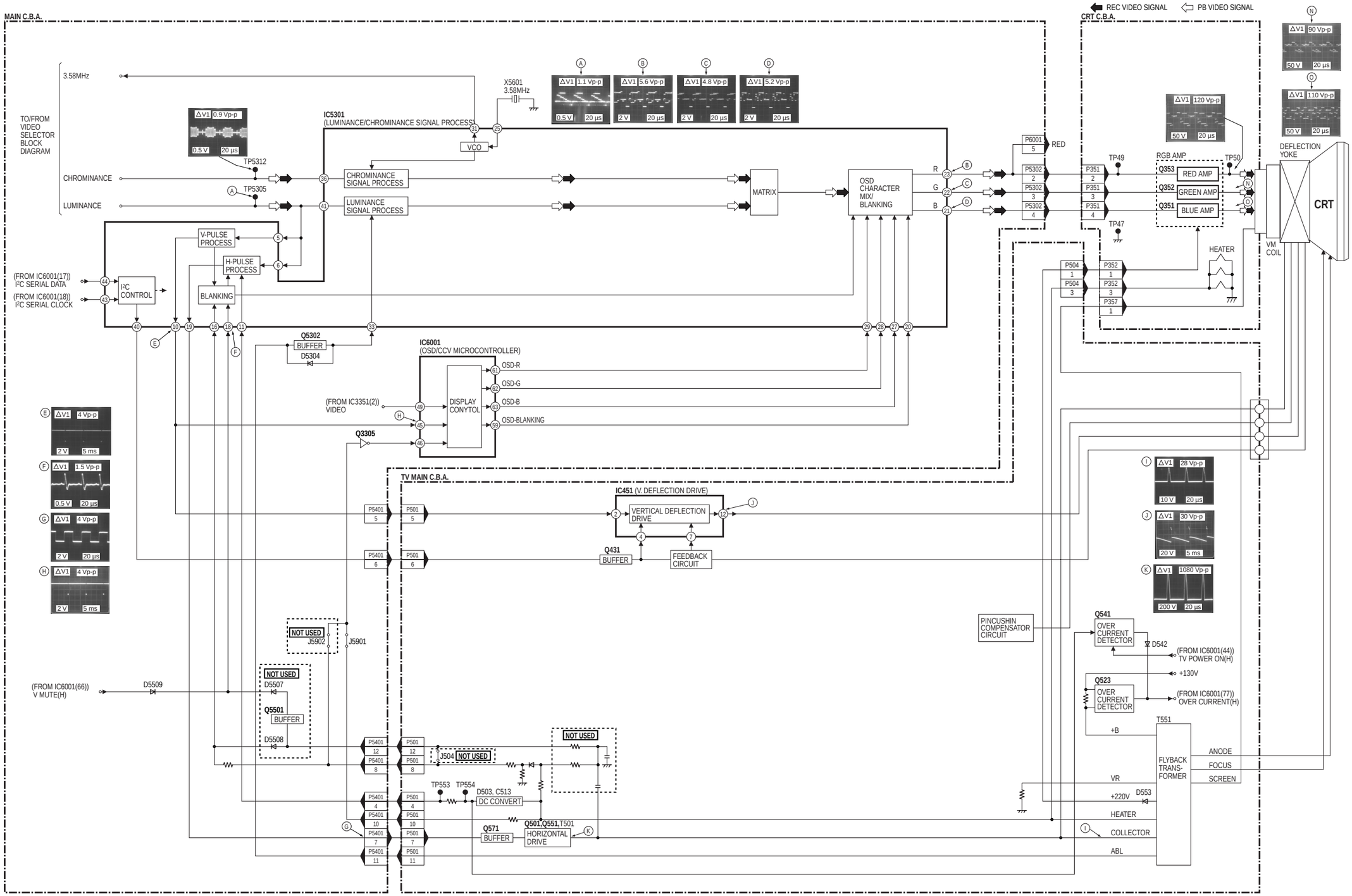
SERVO BLOCK DIAGRAM



SERVO BLOCK DIAGRAM

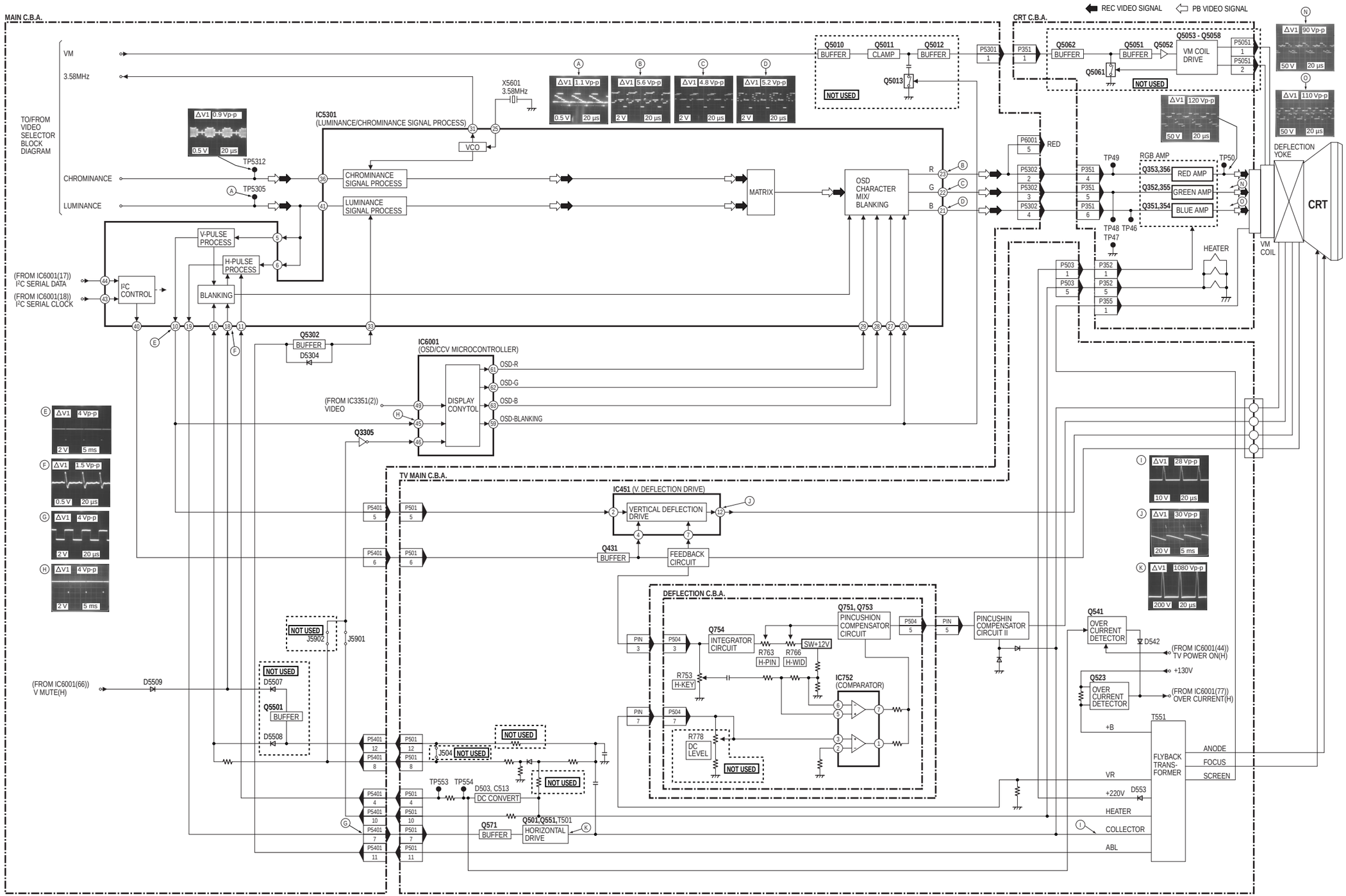
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

TV Y/C PROCESS BLOCK DIAGRAM (Model : PV-DF2003-K)



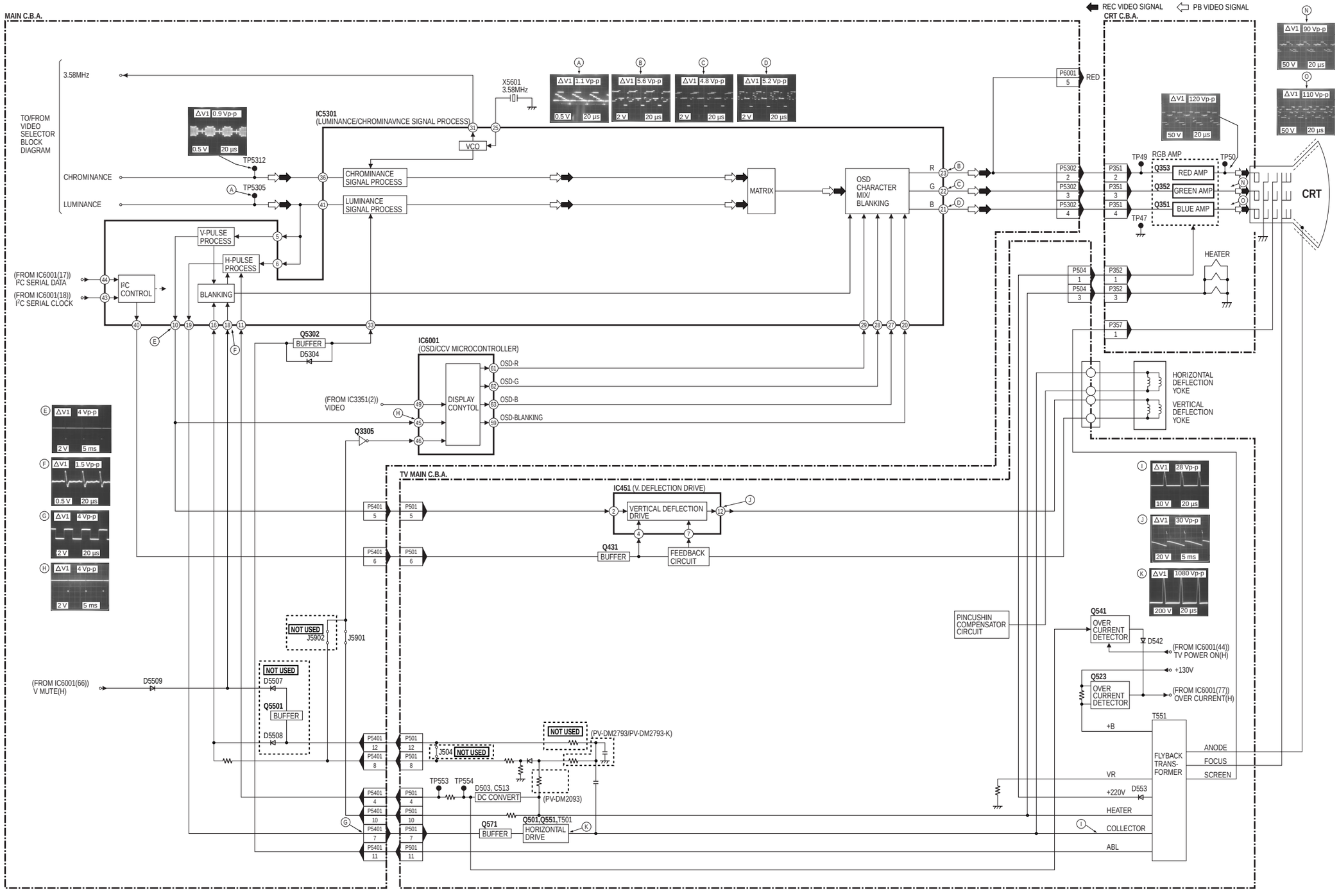
TV Y/C PROCESS BLOCK DIAGRAM
PV-DF2003-K

TV Y/C PROCESS BLOCK DIAGRAM (Model : PV-DF2703-K)



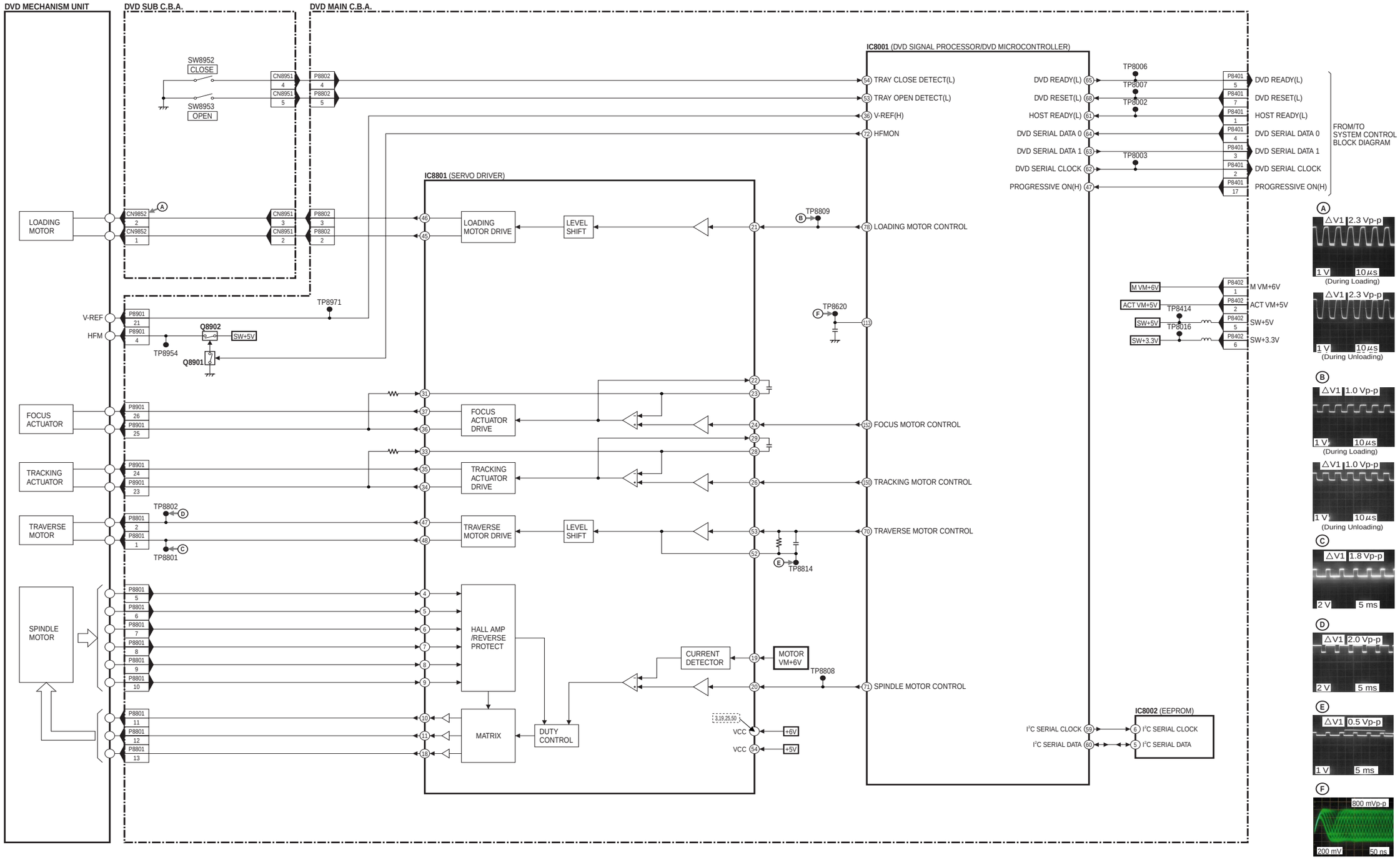
TV Y/C PROCESS BLOCK DIAGRAM
PV-DF2703-K

TV Y/C PROCESS BLOCK DIAGRAM (Model : PV-DM2793-K)



TV Y/C PROCESS BLOCK DIAGRAM
PV-DM2793-K

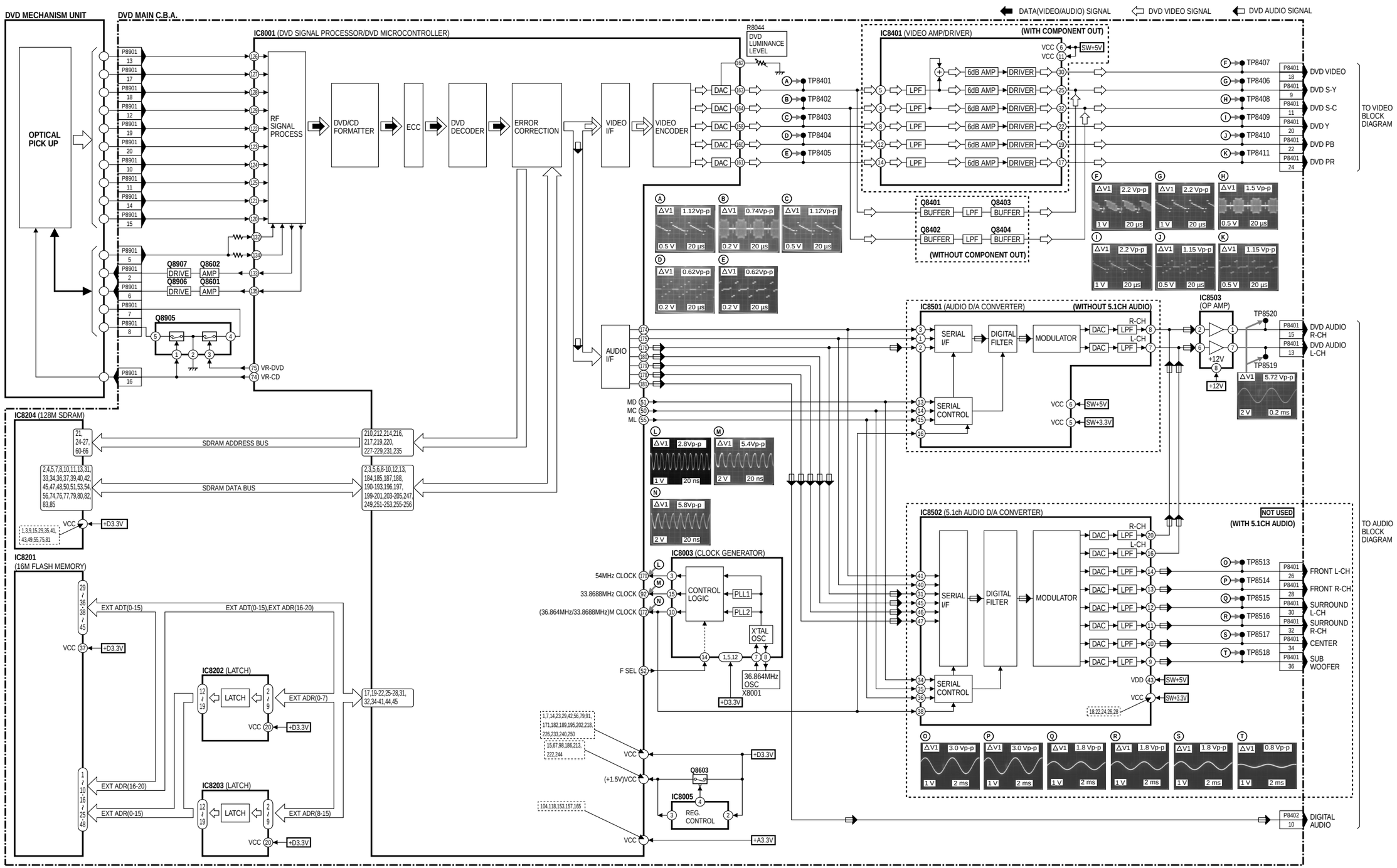
DVD I BLOCK DIAGRAM



DVD I BLOCK DIAGRAM

PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

DVD II BLOCK DIAGRAM



DVD II BLOCK DIAGRAM

PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

Troubleshooting Hints

How to confirm whether DVD circuit or other circuits is defective.

NOTE:
Host communication may not occur correctly between IC6001 on the Main C.B.A. and IC8001 on the DVD Main C.B.A. when there is a problem on the DVD Main C.B.A.
(Serial Data Communication failure between IC6001 and IC8001 within 30sec. IC6001 will switch automatically to VCR.)
(Check the VCR mode and DVD mode.)
Check the voltage during the 30 seconds during which the unit remains in DVD mode.

1) Confirm DVD operation and VCR operation

1. Playback a VHS tape.
2. Playback a DVD disc.

Both NG → Main C.B.A. is defective. Repair the Main C.B.A.

No PB VCR only → Main C.B.A. is defective. Repair the Main C.B.A.

No PB DVD only

First, confirm that the Main C.B.A. is O.K. other than DVD Mechanism Unit and DVD Main C.B.A. by referring to "Communication Timing Chart 1," and "Communication Timing Chart 2."
Check points:
1. All Power Supply Voltages for DVD circuit (TP8016 (SW_3.3V_DVD), TP8414 (SW_5V_DVD), Pin1 of P8402 (M_VM_6V), Pin2 of P8402 (ACT_VM_5V) on the DVD Main C.B.A.)
2. Output Signal from DVD Main C.B.A.(TP8006 (D_RDY)), Output Signal from Main C.B.A.(TP8002 (H_RDY)) (TP8006 (D_RDY), TP8002 (H_RDY) on the DVD Main C.B.A.)

NG → Main C.B.A. is defective. Repair the Main C.B.A.

Note:
If PR1502 on the Main C.B.A. becomes defective again after replacement, replace both DVD Mechanism Unit and IC8801 on the DVD Main C.B.A. at the same time.

OK

DVD circuit is defective.
Perform troubleshooting referring to "How to confirm whether DVD Mechanism Unit or DVD Main C.B.A. is defective."

How to confirm whether DVD Mechanism Unit or DVD Main C.B.A. is defective.

Confirm communication between DVD Main C.B.A. and Main C.B.A. by referring to "Communication Timing Chart 2."
Check points:
1. Output Signal from DVD Main C.B.A. (TP8003 (DVD_SCK) on the DVD Main C.B.A.)

NG → DVD Main C.B.A. is defective. Repair the DVD Main C.B.A.

IC8001 or the circuit around it is defective.

OK

Confirm that the OPEN/CLOSE TRAY works correctly.

NG → DVD Mechanism Unit or IC8801 is defective. Repair it by referring to the "Tray Operation Problem. "

OK

Playback the test DVD disc.

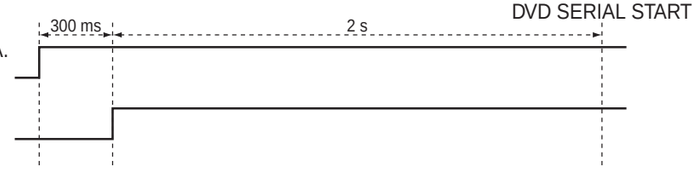
The Message "PLEASE CHECK THE DISC, AND FOR STAINS OR SCRATCHES ON DISC" appears.

DVD Mechanism Unit or IC8801 or IC8001 is defective. Repair it referring to "Spindle Motor Operation Problem," and " Traverse Operation Problem," "Cause: Pickup Problem."

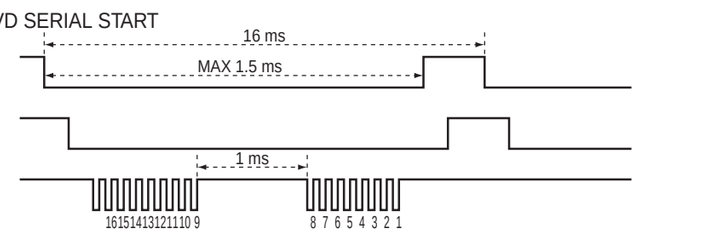
If there is problem with audio or picture, even though it plays back.

DVD Main C.B.A. is defective. Repair DVD Main C.B.A.

Communication Timing Chart 1



Communication Timing Chart 2


DVD SERIAL START
16 ms
MAX 1.5 ms
TP8002 on the DVD Main C.B.A. (H_RDY (VCR → DVD)
TP8006 on the DVD Main C.B.A. (D_RDY (DVD → VCR)
1 ms
TP8003 on the DVD Main C.B.A. (DVD_SCK (DVD → VCR)
16 15 14 13 12 11 10 9
8 7 6 5 4 3 2 1

Troubleshooting Hints of DVD Mechanism Unit

Tray Operation Problem

Check the signal at Pin2 of CN9852 (+) on the DVD Sub C.B.A. (3.0 Vp-p)

OK → DVD Mechanism Unit is defective. Replace the DVD Mechanism Unit.

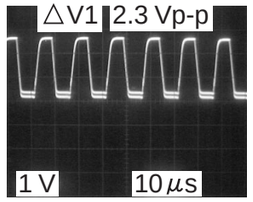
NG

Check the signal at TP8809 (TRYIN) on the DVD Main C.B.A.

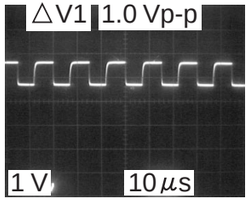
OK → IC8801 on the DVD Main C.B.A. is defective. Replace IC8801 on the DVD Main C.B.A.

NG

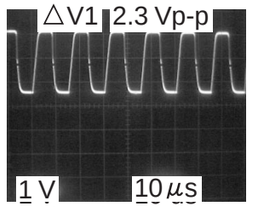
IC8001 on the DVD Main C.B.A. is defective. Replace IC8001 on the DVD Main C.B.A.



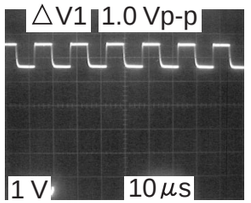
Pin2 of CN9852(+) (During Loading)



TP8809 (During Loading)

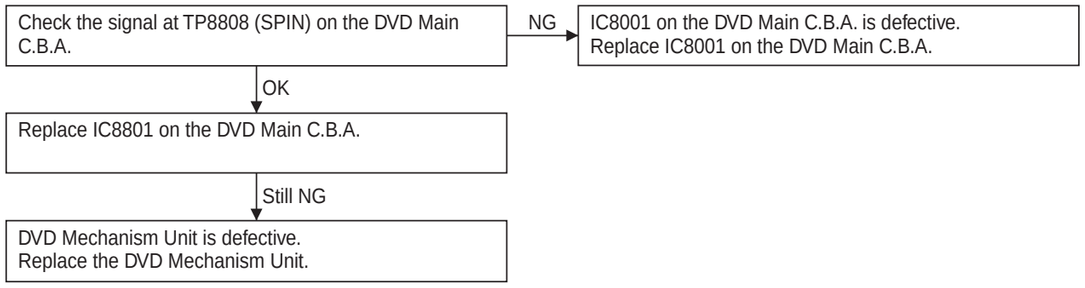


Pin2 of CN9852(+) (During Unloading)

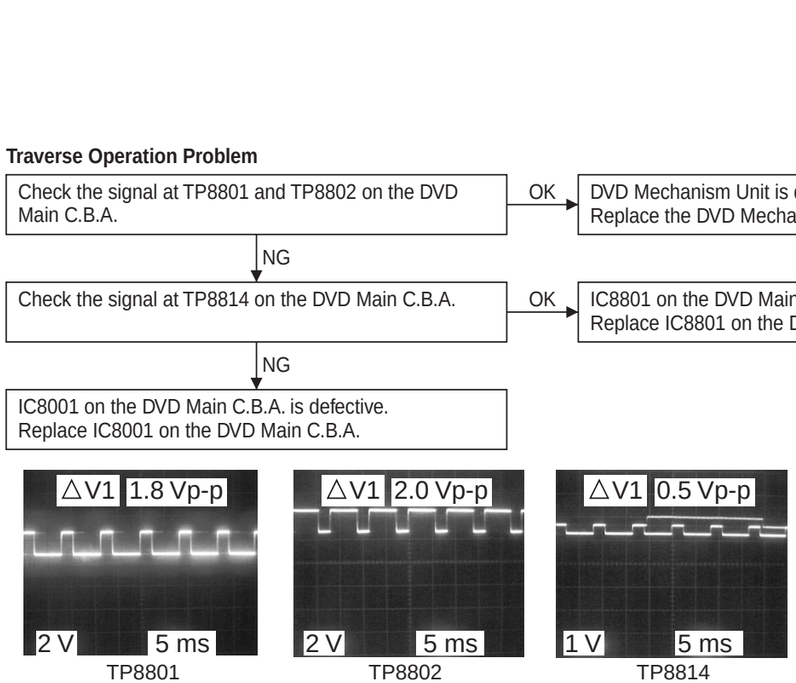


TP8809 (During Unloading)

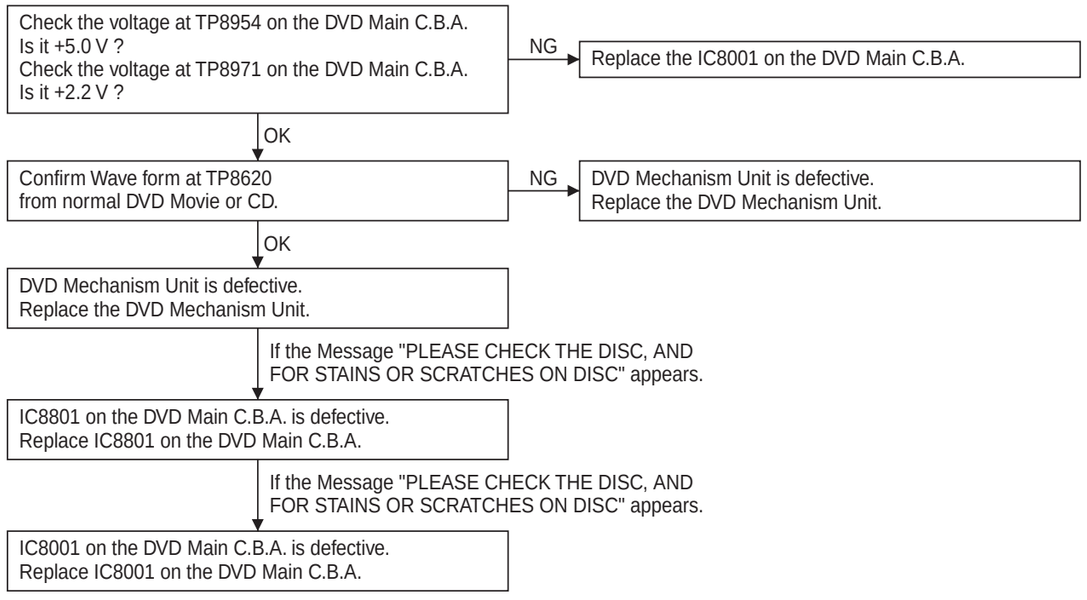
Spindle Motor Operation Problem


Check the signal at TP8808 (SPIN) on the DVD Main C.B.A.
NG
IC8001 on the DVD Main C.B.A. is defective.
Replace IC8001 on the DVD Main C.B.A.
OK
Replace IC8801 on the DVD Main C.B.A.
Still NG
DVD Mechanism Unit is defective.
Replace the DVD Mechanism Unit.

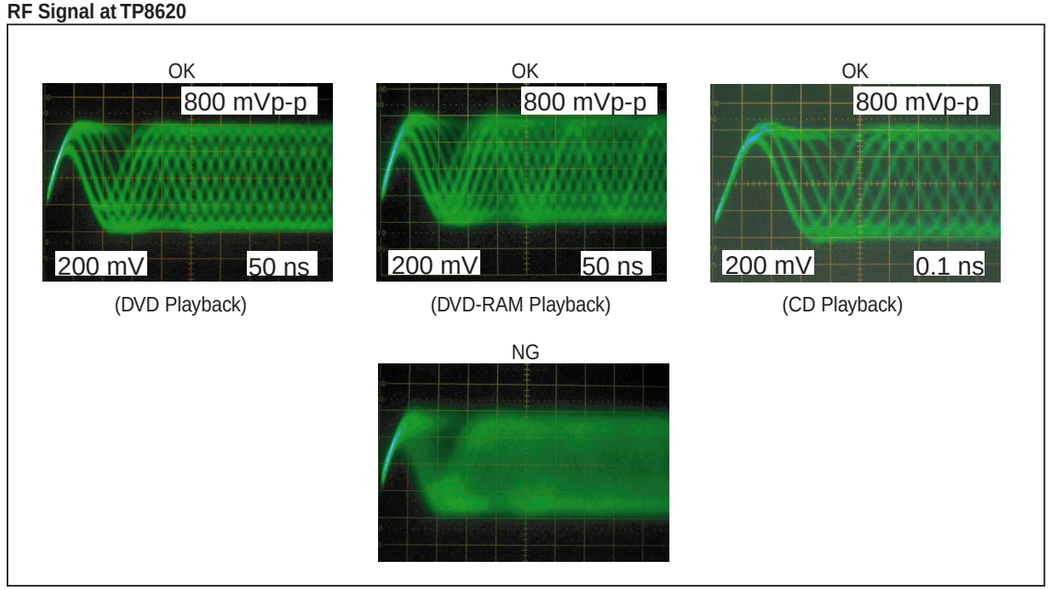
Traverse Operation Problem


Check the signal at TP8801 and TP8802 on the DVD Main C.B.A.
OK
DVD Mechanism Unit is defective.
Replace the DVD Mechanism Unit.
NG
Check the signal at TP8814 on the DVD Main C.B.A.
OK
IC8801 on the DVD Main C.B.A. is defective.
Replace IC8801 on the DVD Main C.B.A.
NG
IC8001 on the DVD Main C.B.A. is defective.
Replace IC8001 on the DVD Main C.B.A.
△V1 1.8 Vp-p
2 V 5 ms
TP8801
△V1 2.0 Vp-p
2 V 5 ms
TP8802
△V1 0.5 Vp-p
1 V 5 ms
TP8814

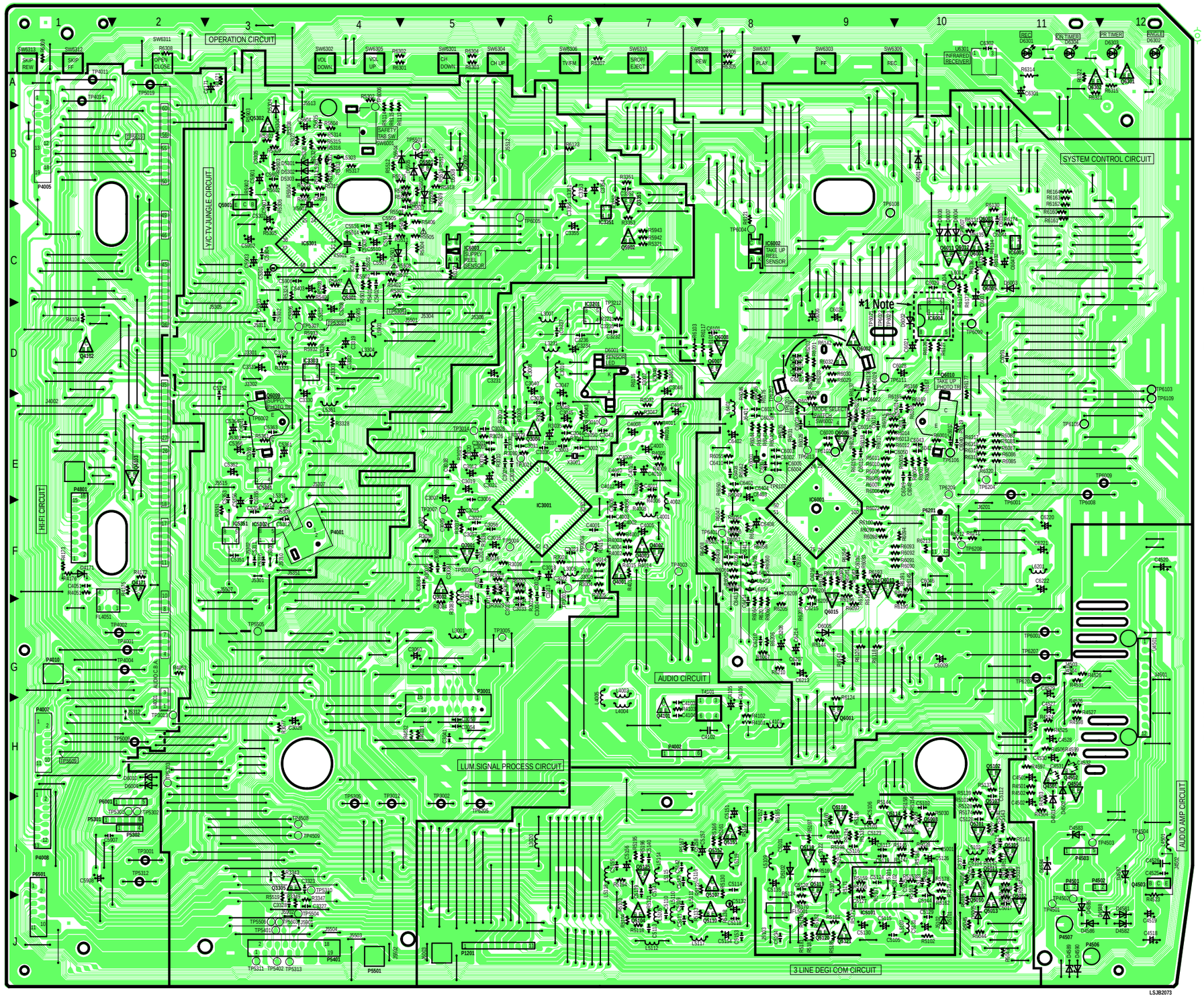
Pickup Operation Problem


Check the voltage at TP8954 on the DVD Main C.B.A.
Is it +5.0 V ?
Check the voltage at TP8971 on the DVD Main C.B.A.
Is it +2.2 V ?
NG
Replace the IC8001 on the DVD Main C.B.A.
OK
Confirm Wave form at TP8620
from normal DVD Movie or CD.
NG
DVD Mechanism Unit is defective.
Replace the DVD Mechanism Unit.
OK
DVD Mechanism Unit is defective.
Replace the DVD Mechanism Unit.
If the Message "PLEASE CHECK THE DISC, AND FOR STAINS OR SCRATCHES ON DISC" appears.
IC8801 on the DVD Main C.B.A. is defective.
Replace IC8801 on the DVD Main C.B.A.
If the Message "PLEASE CHECK THE DISC, AND FOR STAINS OR SCRATCHES ON DISC" appears.
IC8001 on the DVD Main C.B.A. is defective.
Replace IC8001 on the DVD Main C.B.A.

RF Signal at TP8620



MAIN C.B.A. LSEP2073B (C,F) / LSEP2073C (I)



COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS. FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING, PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

*1 Note

There are 2 types of EEPROM IC (IC6004) used on the Main C.B.A. (DIP TYPE and SOP TYPE) However, these are same reliability.

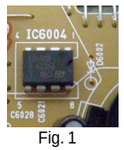


Fig. 1

OR

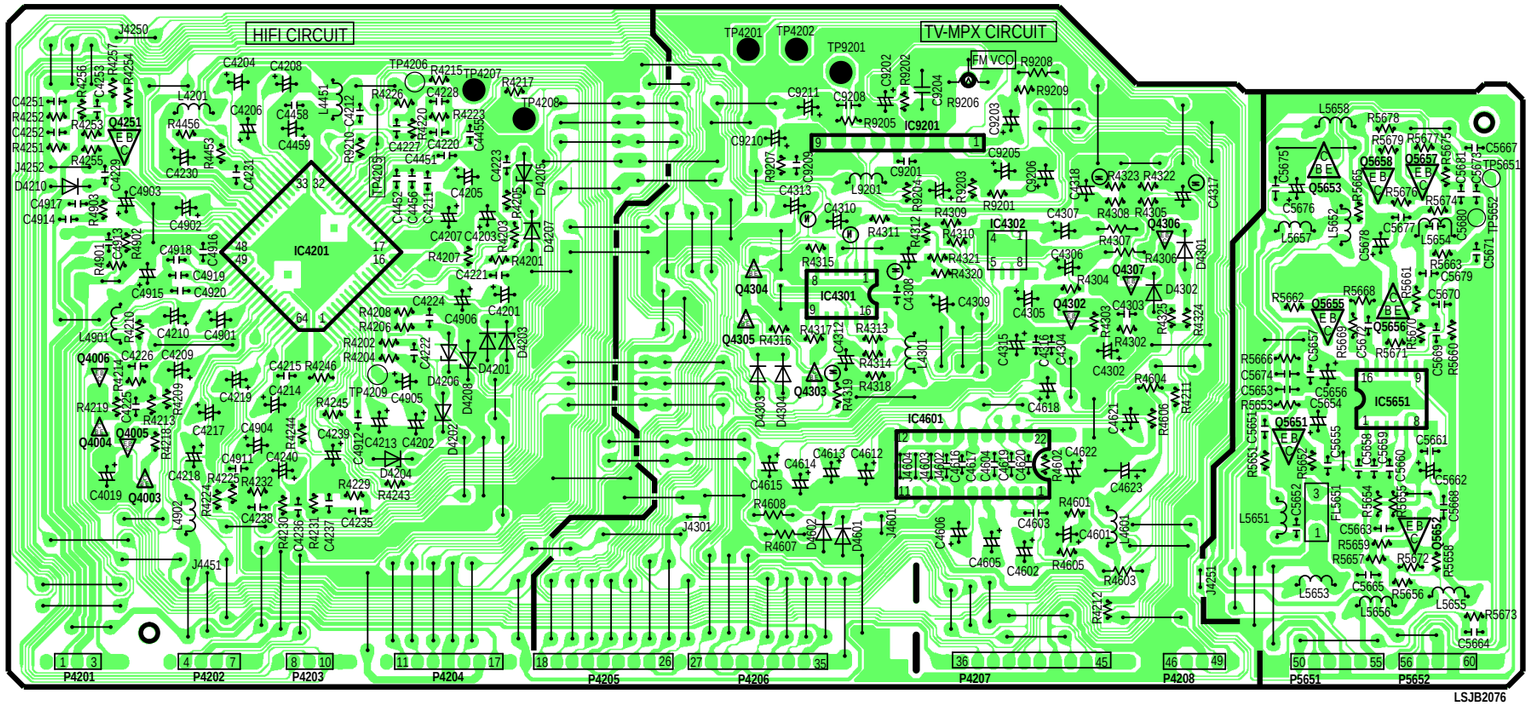
Fig. 2

Be sure to install DIP type IC from the component side as shown in Fig. 1.
Be sure to intall SOP type IC from the foil side as shown in Fig. 2.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

MAIN C.B.A. LSEP2073B/LSEP2073C
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

AUDIO C.B.A. LSEP2076B (C,F) / LSEP2076C (I)



NOTE:
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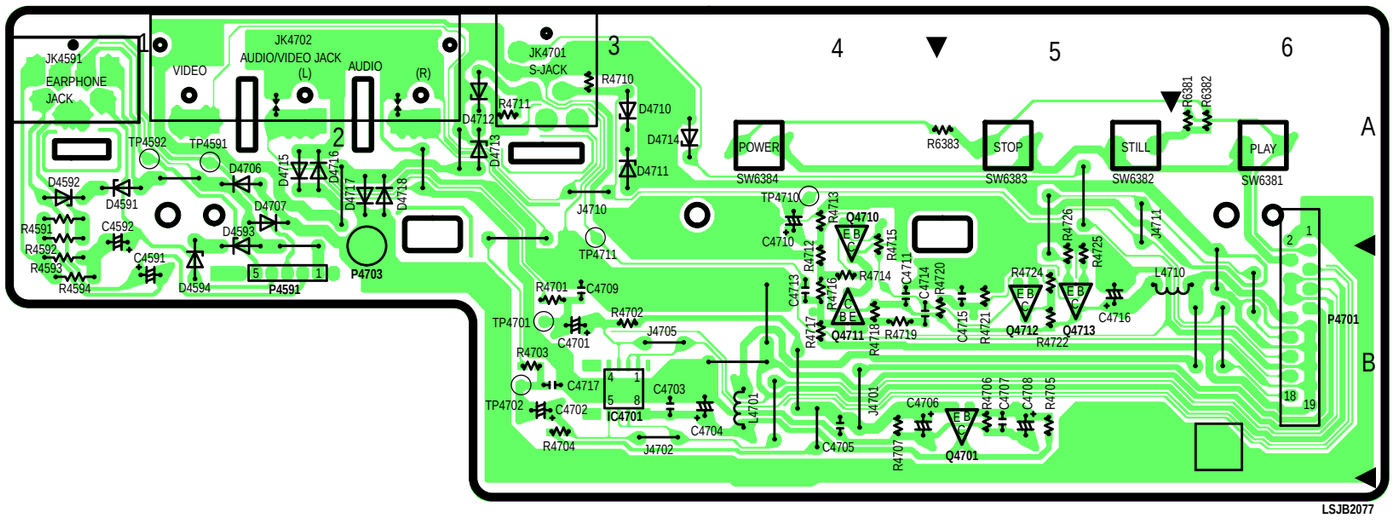
NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I

OPERATION C.B.A. LSEP2077A (C,F) / LSEP2077B (I)



NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

AUDIO C.B.A. LSEP2076B/LSEP2076C
OPERATION C.B.A. LSEP2077A/LSEP2077B

PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

TV MAIN C.B.A. LSEP2074B (C) / LSEP2074A (F) / LSEP2074C (I)

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

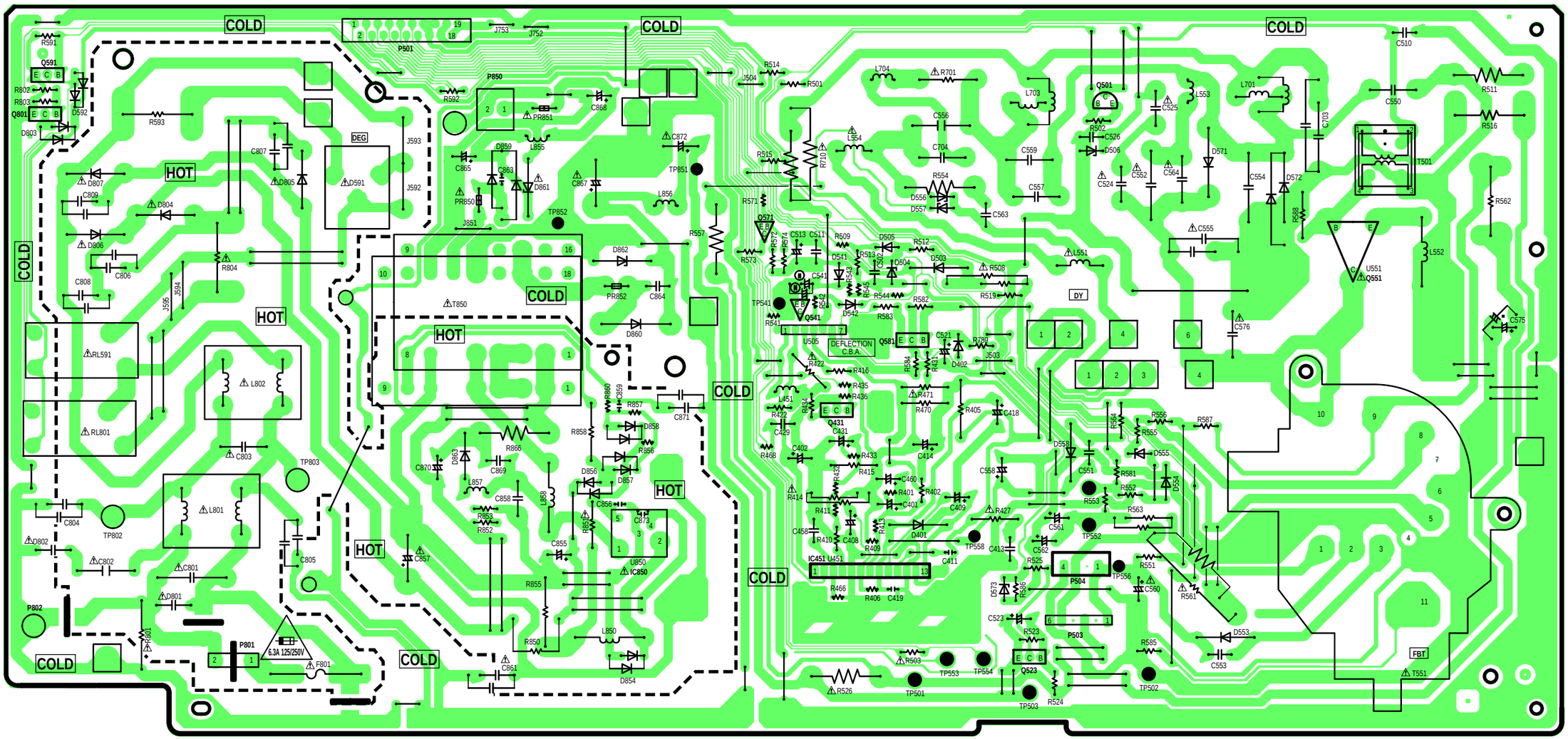
NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 6.3A 125V/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME
TYPE 6.3A 125V/250V

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I



MAIN I SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

KEY MATRIX (SW6301~SW6313,SW6381~SW6384)

0V～0.6V	0.7V～1.9V	2.0V～3.1V	3.2V～4.4V	TERMINAL VOLTAGE
CH DOWN	VOLUME DOWN	FF/CUE	-----	OPERATION BUTTON
CH UP	VOLUME UP	TV/FM	STOP /EJECT	
PLAY /REPEAT	REW /REVIEW	REC	-----	
OPEN /CLOSE	SKIP +	SKIP –	-----	
DVD STOP	DVD PAUSE/STILL	DVD PLAY	POWER	

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

LINK TO VOLTAGE CHART

LSJB2073
MAIN I SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

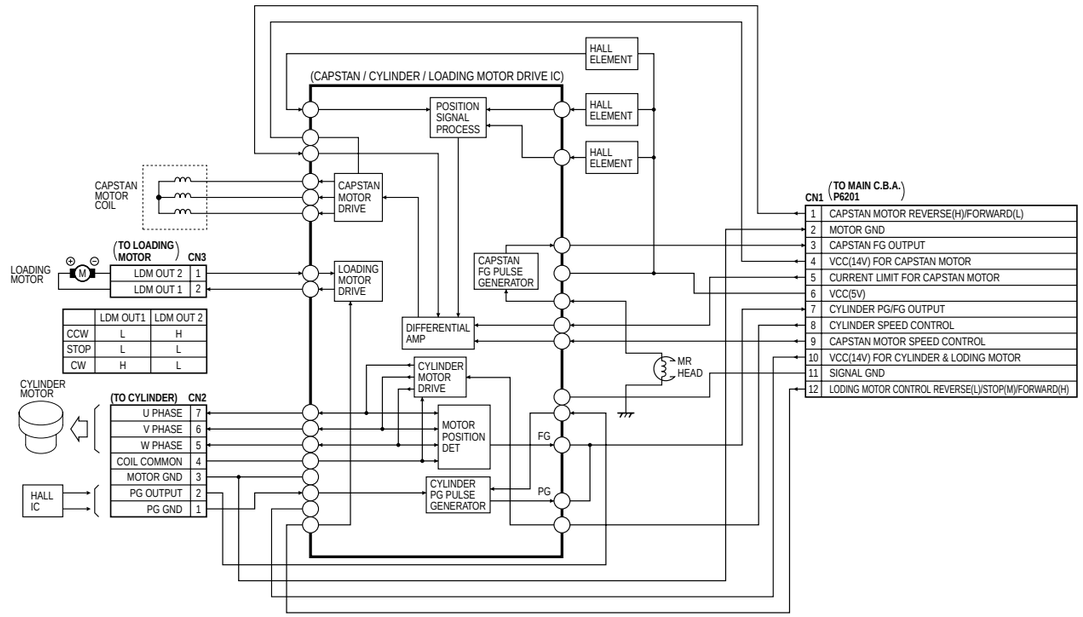
I/O CHART OF IC6001

Pin No.	I/O	Signal Name	Description
1	I	P_DOWN_L	POWER DOWN(L)
2	I	D_READY_L	DVD/READY(L)
3	I	T-REEL	TAKEUP REEL PULSE
4	I	S-REEL	SUPPLY REEL PULSE
5	I	IR-DATA	IR-DATA
6	O	DEFEAT_H	AUDIO DEFEAT(H)
7	O	A_MUTE_H	AUDIO MUTE(H)
8	O	H_READY_L	HOST READY(L)
9	I	HF_PLAY_H	Hi-Fi AUDIO PB(H)
10	O	M_TNR&VV/LINE&DVD	TUNER & VV(H)/LINE & DVD(L)
11	I	D_SCK	DVD SERIAL CLOCK
12	I	D_DATA_IN	DVD SERIAL DATA 0
13	O	H_DATA_OUT	DVD SERIAL DATA 1
14	O	SCK	SERIAL CLOCK
15	O	VCH_MUTE_H	V-CHIP MUTE(H)
16	O	DATA_OUT	SERIAL DATA 1
17	I/O	IIC_DATA	I2C SERIAL DATA
18	I/O	IIC_CLK	I2C SERIAL CLOCK
19	O	BEEPER	BEEPER
20	O	A_DVD_H	DVD AUDIO(H)
21	O	CAP_F/R	CAPSTAN MOTOR REVERSE(H)/FORWARD(L)
22	O	CRSS_L	CUE/REV/SS(L)
23	O	HSW	HEAD SW
24	O	VLP	V-LOCK PULSE
25	I	RST	RESET(L)
26	O	OSC_D	3.58MHz
27	O	HIFI_H_SW	Hi-Fi HEAD SW
28	O	POWER_ON_L	POWER ON(L)
29	O	V_D_REC_H	VIDEO DELAY REC(H)
30	I	LINE_SD_L	TV SIGNAL(L)
31	O	DVD*/REC_H	DVD(H)/REC(L)
32	O	C_MUTE_H	COLOR MUTE(H)
33	O	PWM1[CAP]	CAP ERROR
34	O	PWM0[CYL]	CYL ERROR
35	O	SP_MUTE_L	SPEAKER MUTE(L)
36	I	DVDD	VDD (+5V)
37	O	OSC-OUT	14.3MHz OSCILLATOR
38	I	OSC-IN	14.3MHz OSCILLATOR
39	-	DVSS	Ground
40	O	TNR_CE_H	TUNER CHIP ENABLE(H)
41	I	TNR_LOCK_L	TUNER LOCK SIGNAL(L)
42	I	SXI	SXI
43	O	FM_RAD_F_MONO_H/NOR_I	FM MONO(H)
44	O	TV_P_ON_H	TV POWER ON(H)
45	I	OSD_V	V-SYNC
46	I	OSD_H	H-SYNC
47	O	DEGAUSS_H/CV_OUT	DEGAUSS(H)
48	-	VSS2_OSD	Ground
49	I	CV_IN1 XDS	VIDEO
50	I	CV_IN2 SYNC	V/H-SYNC

Pin No.	I/O	Signal Name	Description
51	I	VDD2_OSD	VDD (+5V)
52	I	AFC_C	AFC
53	O	AFC_LPF	AFC
54	O	RADIO_H	FM RADIO(H)/TV(L)
55	-	FSC_LPF	FSC
56	I	RADIO_STE_L	FM RADIO STEREO(L)/MONO(H)
57	O	VV_H	VV(H)
58	O	PLAY_L	PB(L)
59	O	VOB1 BLK_H	OSD-BLANKING
60	O	LOAD-F/S/R	LOADING MOTOR CONTROL REVERSE(L)/STOP(M)/FORWARD(H)
61	O	VOW3 R	OSD-R
62	O	VOW2 G	OSD-G
63	O	VOW1 B	OSD-B
64	I	S_TAB_ON_L	SAFETY TAB ON(L)
65	I	Y_PFG	CYL PG/FG
66	O	V_MUTE_H	V-MUTE(H)
67	I	FGF	CAP FG
68	I	AFG	CAP FG
69	O	VRO	V-REF 1
70	-	VRI	V-REF 2
71	-	AVSS	Ground
72	-	CTLA	CTL AMP
73	-	AVDD	VDD (+5V)
74	-	RCTLP	CTL PULSE(+)
75	-	RCTLN	CTL PULSE(-)
76	O	CTL_OUT	PB CONTROL PULSE
77	I	OVER_CUR_H	OVER CURRENT DETECT(H)
78	I	DTS_AFC	TUNER AFC
79	I	A_SIG_DISCRIM	MTS MODE
80	I	T-PHOTO/M_SVC_L	TAKEUP PHOTO TR(L)/SERVICE(L)
81	I	S-PHOTO_L	SUPPLY PHOTO TR(L)
82	I	AT_ENV	ENV-VOLTAGE
83	I	S2_IN/TNR_SD/RAD_SD	S-LINE 2 IN(L)
84	I	S1_IN/OPT	S-LINE 1 IN(L)
85	I/O	ON_T_LED/KEY_IN_4	KEY DATA 4/ON TIMER LED ON(L)
86	I/O	LED_5V/KEY_IN_3	KEY DATA 3/LED+5V ON(L)
87	I/O	PR_T_LED/KEY_IN_2	KEY DATA 2/PROGRAM TIMER LED ON(L)
88	I/O	ANG_LED/KEY_IN_1	KEY DATA 1/ANGLE LED ON(L)
89	I/O	REC_LED/KEY_IN_0	KEY DATA0/REC LED ON(L)
90	O	DVD_RST_L	DVD RESET(L)
91	O	3L_RST_L	IC5101 RESET(L)
92	O	DVD_P_ON_H	DVD POWER ON(H)
93	O	DVD_H	DVD(H)
94	O	F_LINE2/R_LINE1	LINE 1(L)/LINE 2(H)
95	I	POS.3	MODE SW POSITION C
96	I	POS.2	MODE SW POSITION B
97	I	POS.1	MODE SW POSITION A
98	O	ROT_SW	ROTARY SW
99	O	HA_SW	HEAD AMP SW
100	I	D_ENV	ENVELOPE DET

CAPSTAN MOTOR ASS'Y

NOTE:
CAPSTAN MOTOR ASS'Y (REF. NO. 46) IS SUPPLIED AS A UNIT ONLY.
HOWEVER, THE FLAT FLEXIBLE CABLE (REF. NO. 48) IS AVAILABLE SEPARATELY AS A REPLACEMENT PART.



MAIN II SCHEMATIC DIAGRAM

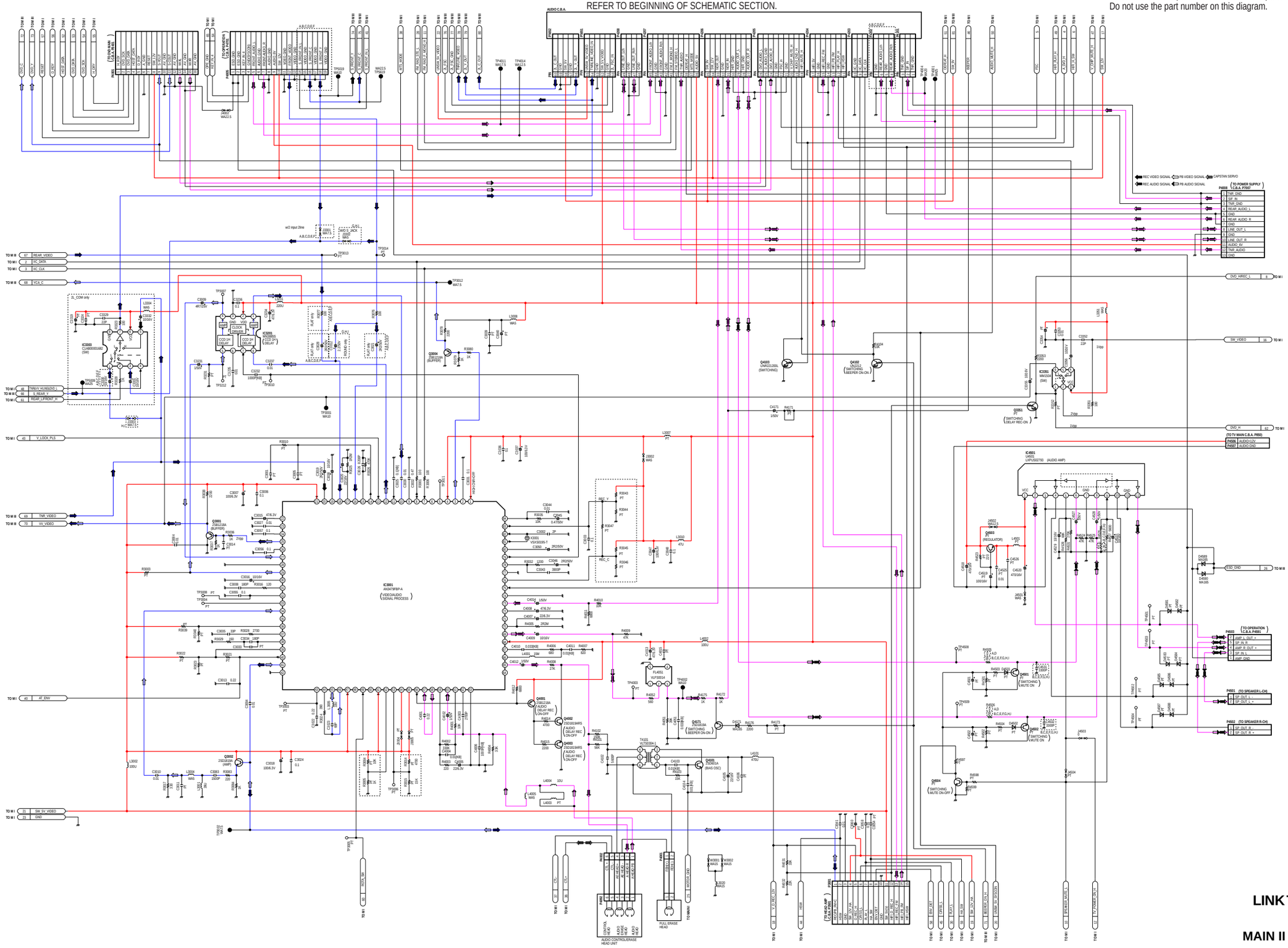
NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

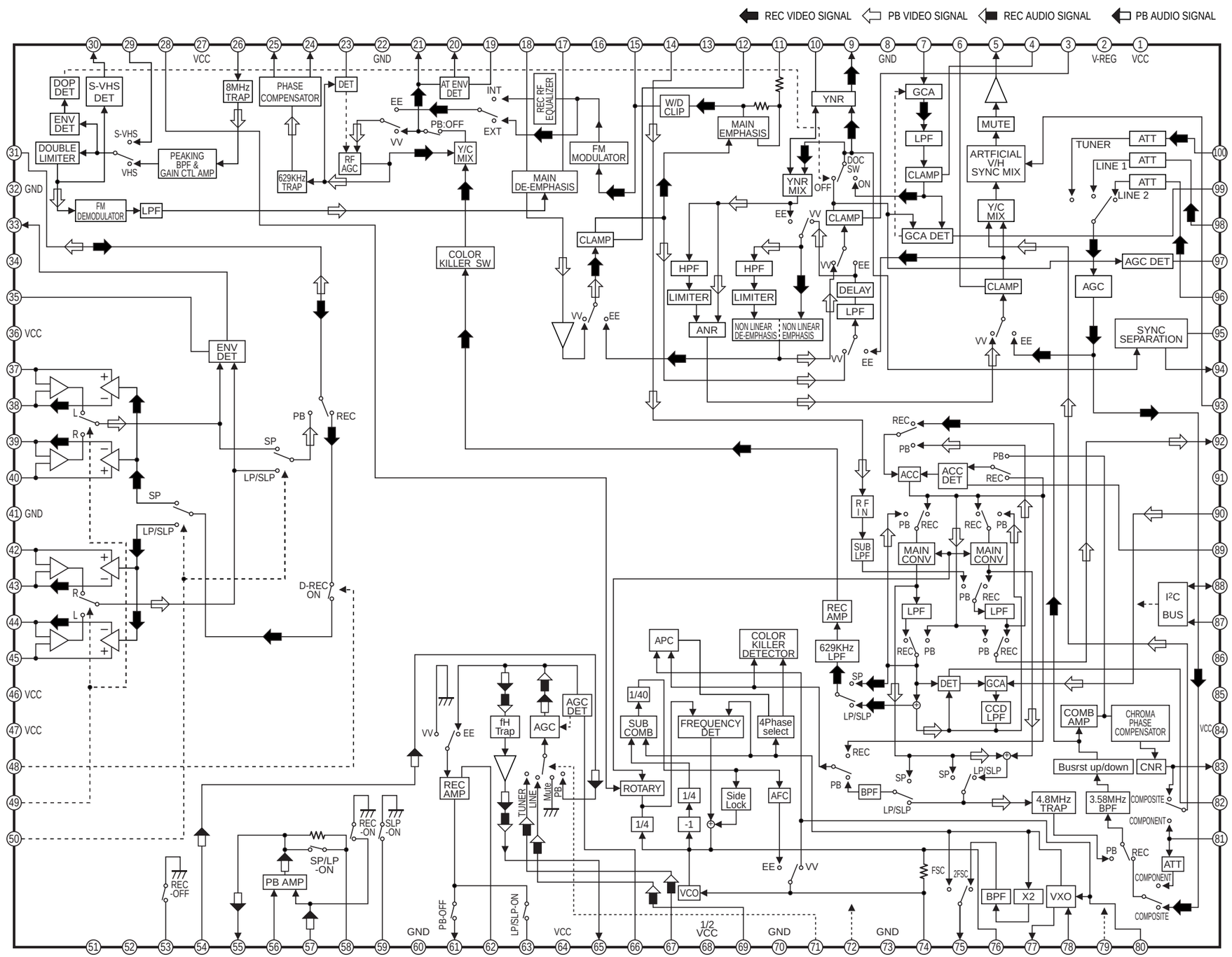
MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



LINK TO VOLTAGE CHART

LSJB2073
MAIN II SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

IC3001 VIDEO/AUDIO SIGNAL PROCESS / HEAD AMP IC- DETAIL BLOCK DIAGRAM



IC3001 DETAIL BLOCK DIAGRAM

PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

MAIN III SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

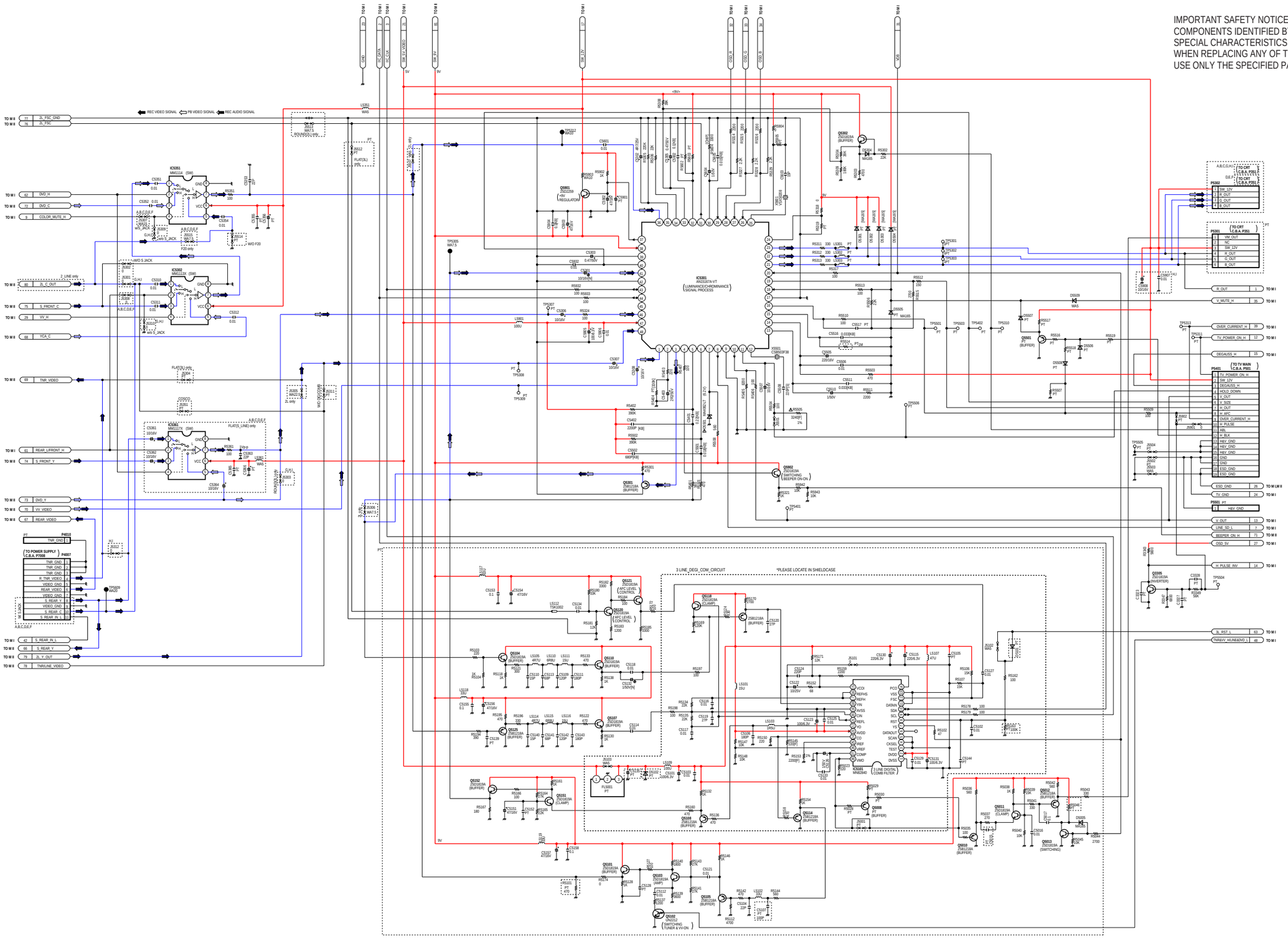
NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



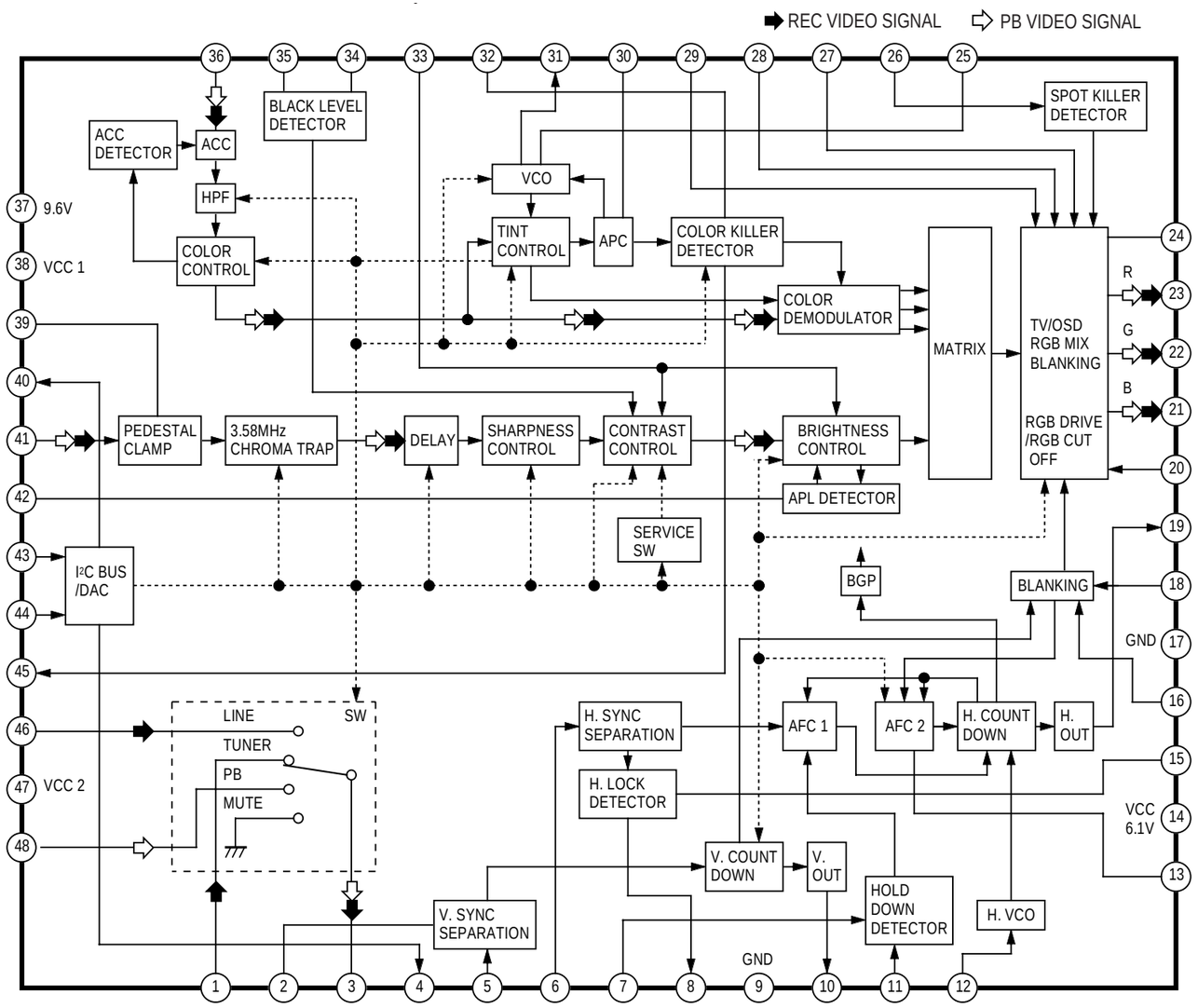
LINK TO VOLTAGE CHART

LSJB2073

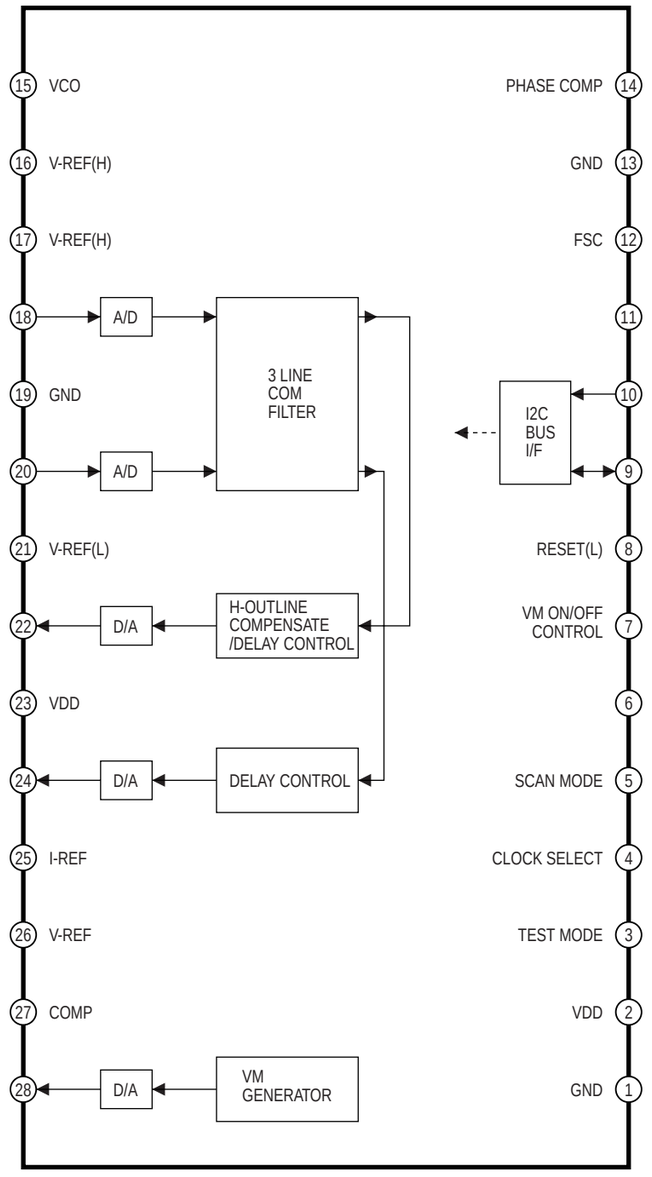
MAIN III SCHEMATIC DIAGRAM

PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

IC5301 LUMINANCE/CHROMINANCE PROCESS IC- DETAIL BLOCK DIAGRAM



IC5101 3LINE DEGI COM IC- DETAIL BLOCK DIAGRAM



IC5301 DETAIL BLOCK DIAGRAM
/IC5101 DETAIL BLOCK DIAGRAM

PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

AUDIO I SCHEMATIC DIAGRAM

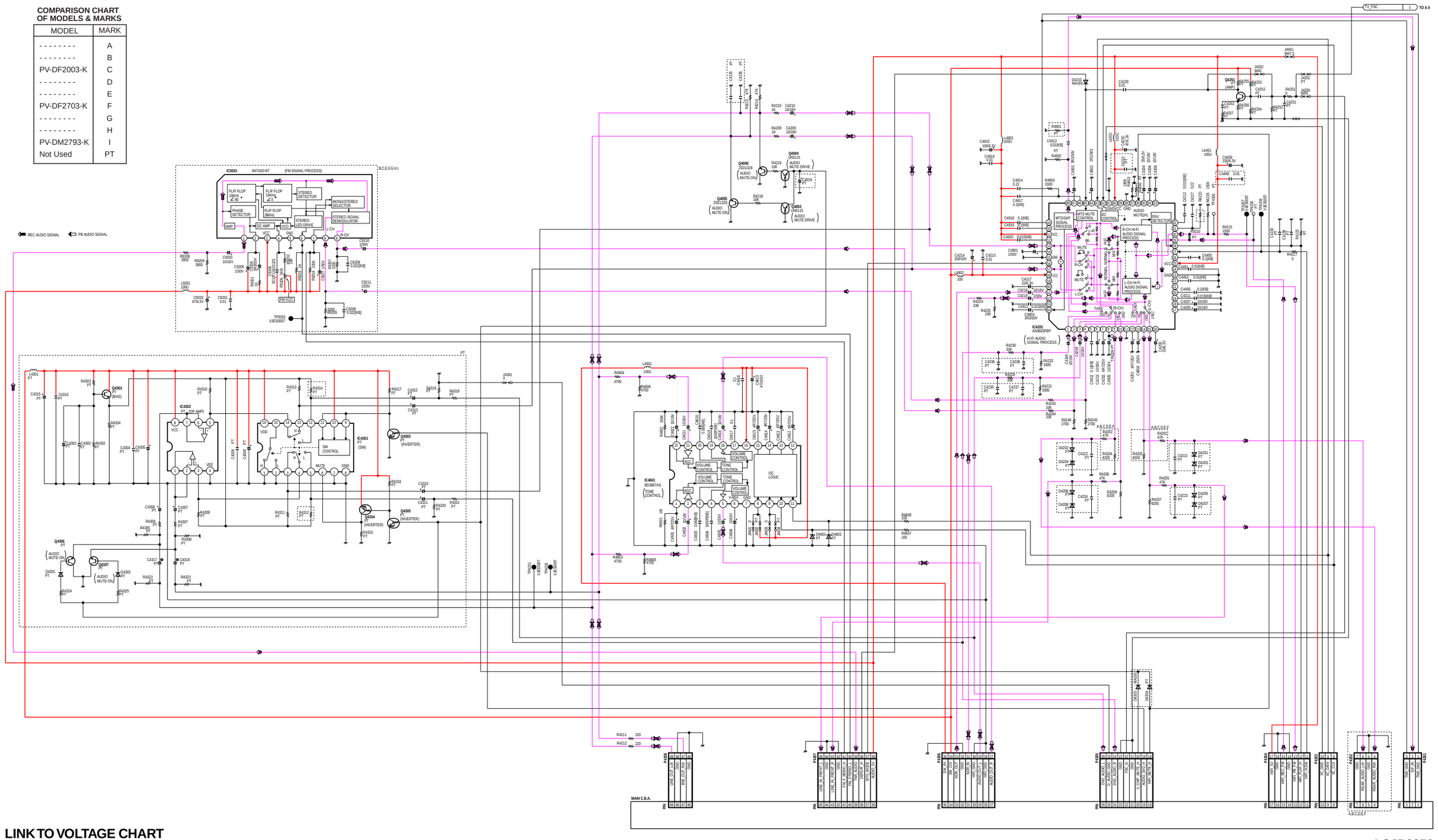
NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



LINK TO VOLTAGE CHART

LSJB2076
AUDIO I SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

AUDIO II SCHEMATIC DIAGRAM

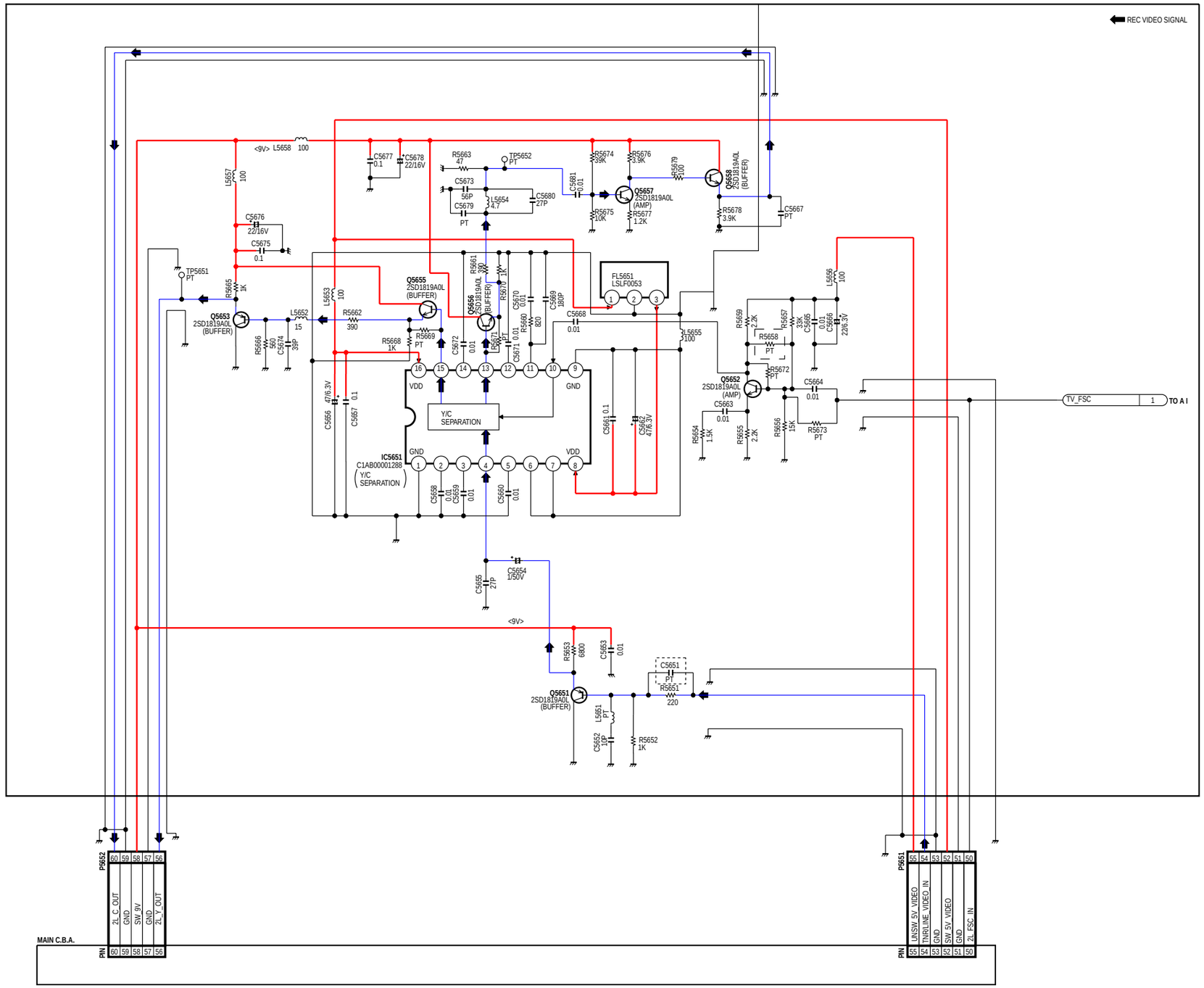
NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



LINK TO VOLTAGE CHART

LSJB2076
AUDIO I SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

Hi-Fi AUDIO/VIDEO HEAD AMP SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

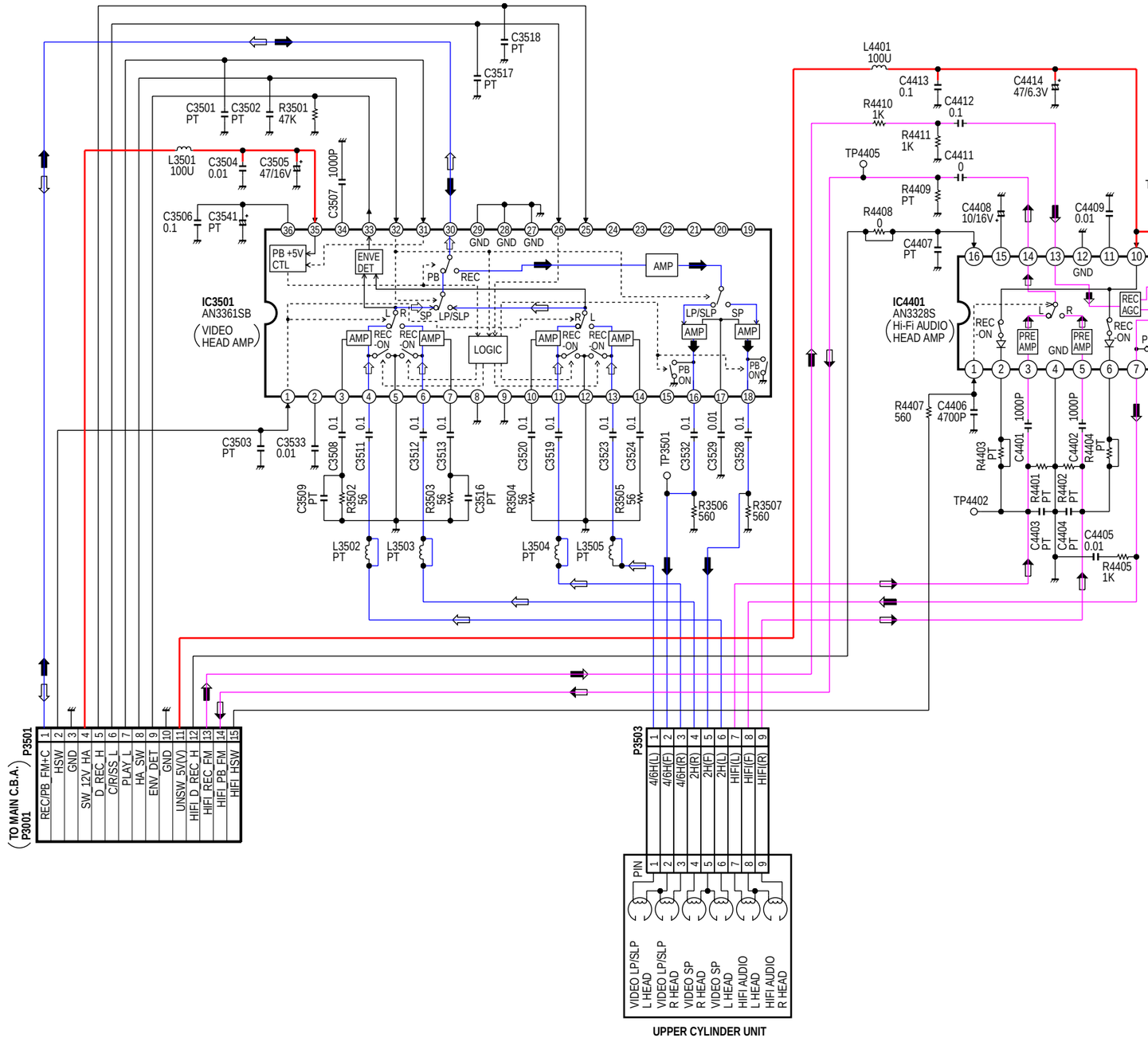
NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

REC VIDEO SIGNAL
REC AUDIO SIGNAL
PB VIDEO SIGNAL
PB AUDIO SIGNAL



LINK TO VOLTAGE CHART

LSJB2010
Hi-Fi AUDIO/VIDEO HEAD AMP SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

TV MAIN I SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

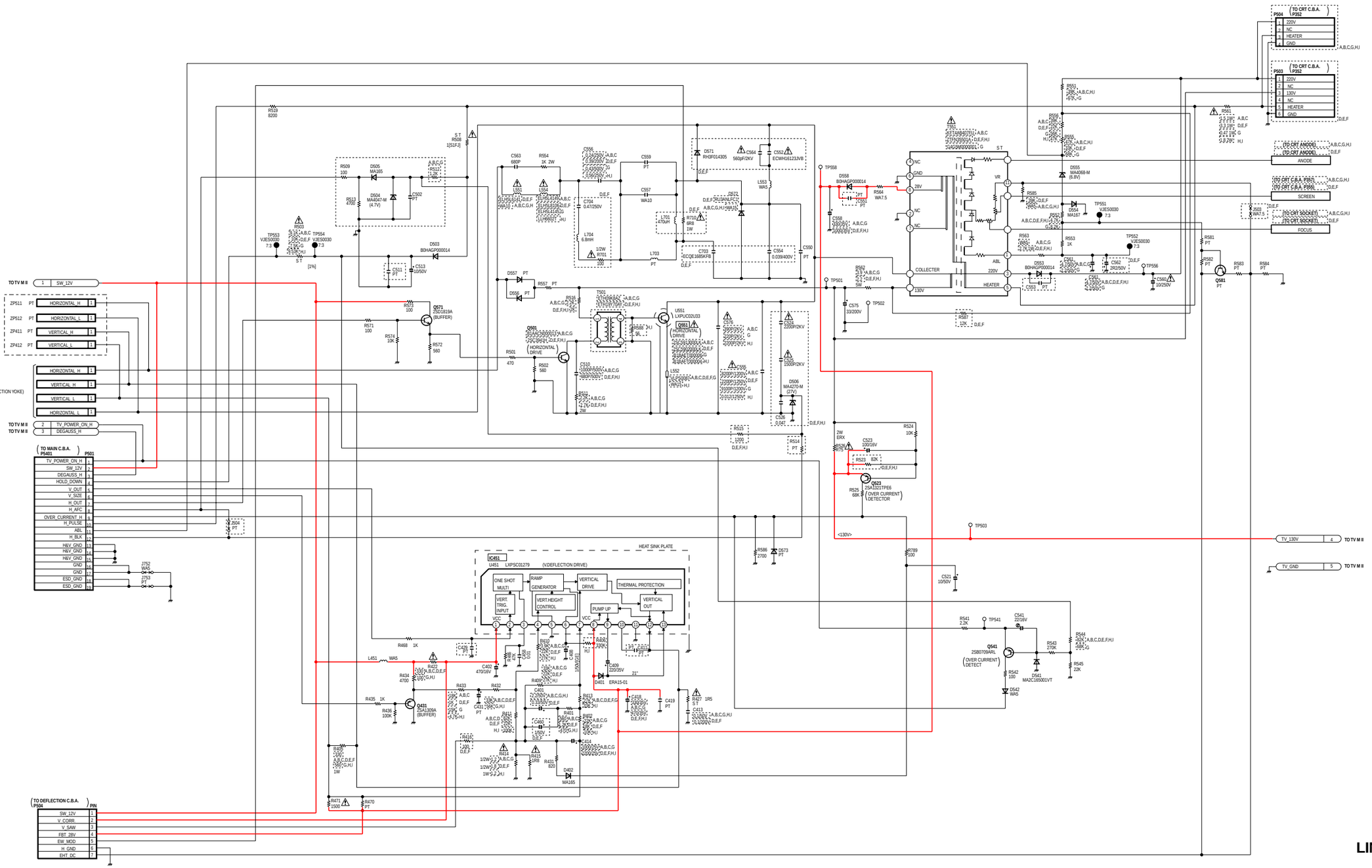
NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



LINK TO VOLTAGE CHART

LSJB2074
TV MAIN I SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

TV MAIN II SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

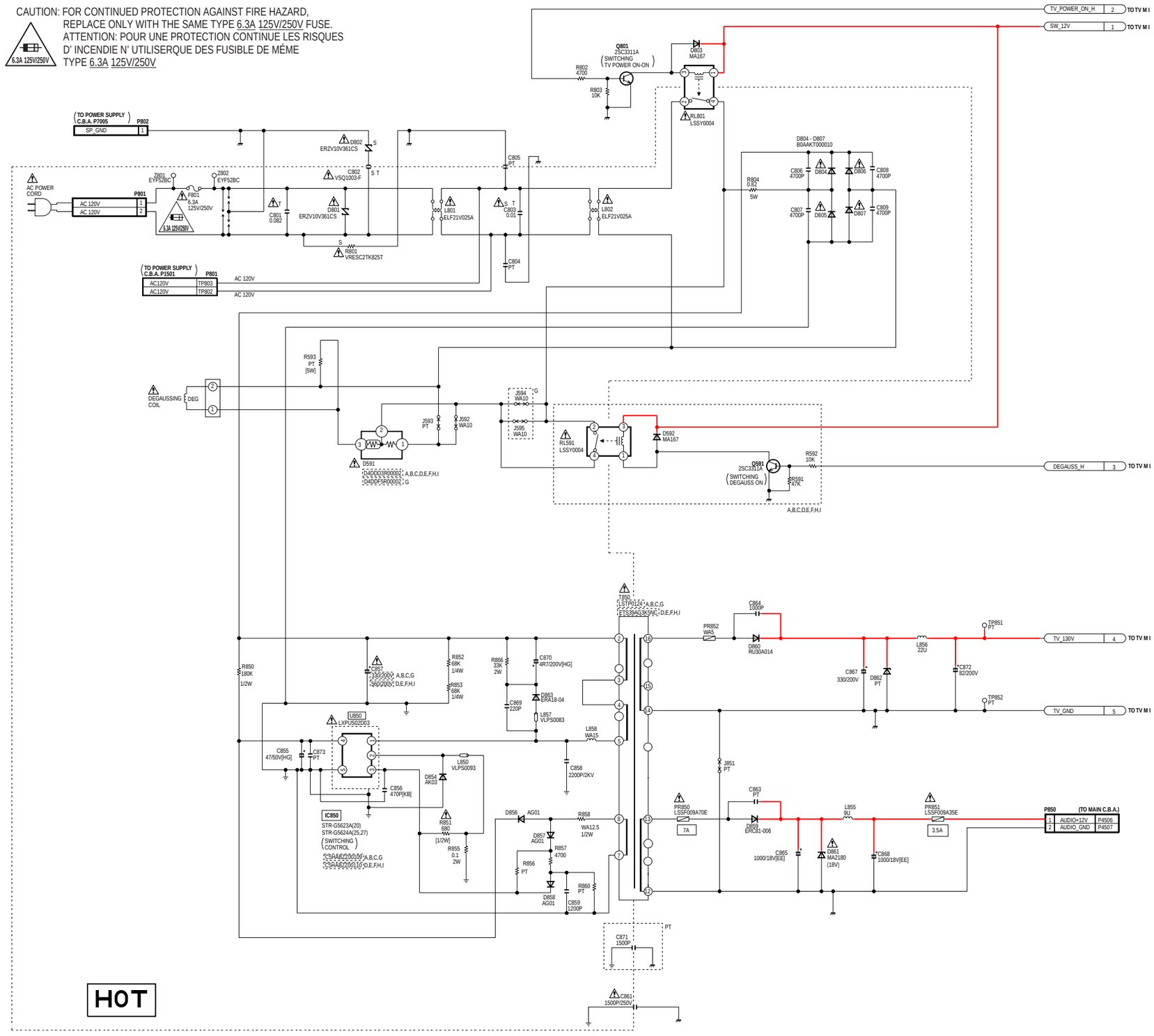
NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 6.3A 125V/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME
TYPE 6.3A 125V/250V

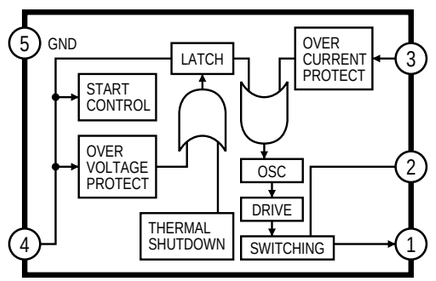
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.



HOT

HOT CIRCUIT. BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING.

IC850
SWITCHING CONTROL
IC- DETAIL BLOCK DIAGRAM



LINK TO VOLTAGE CHART

LSJB2074
TV MAIN II SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

DEFLECTION SCHEMATIC DIAGRAM (F)

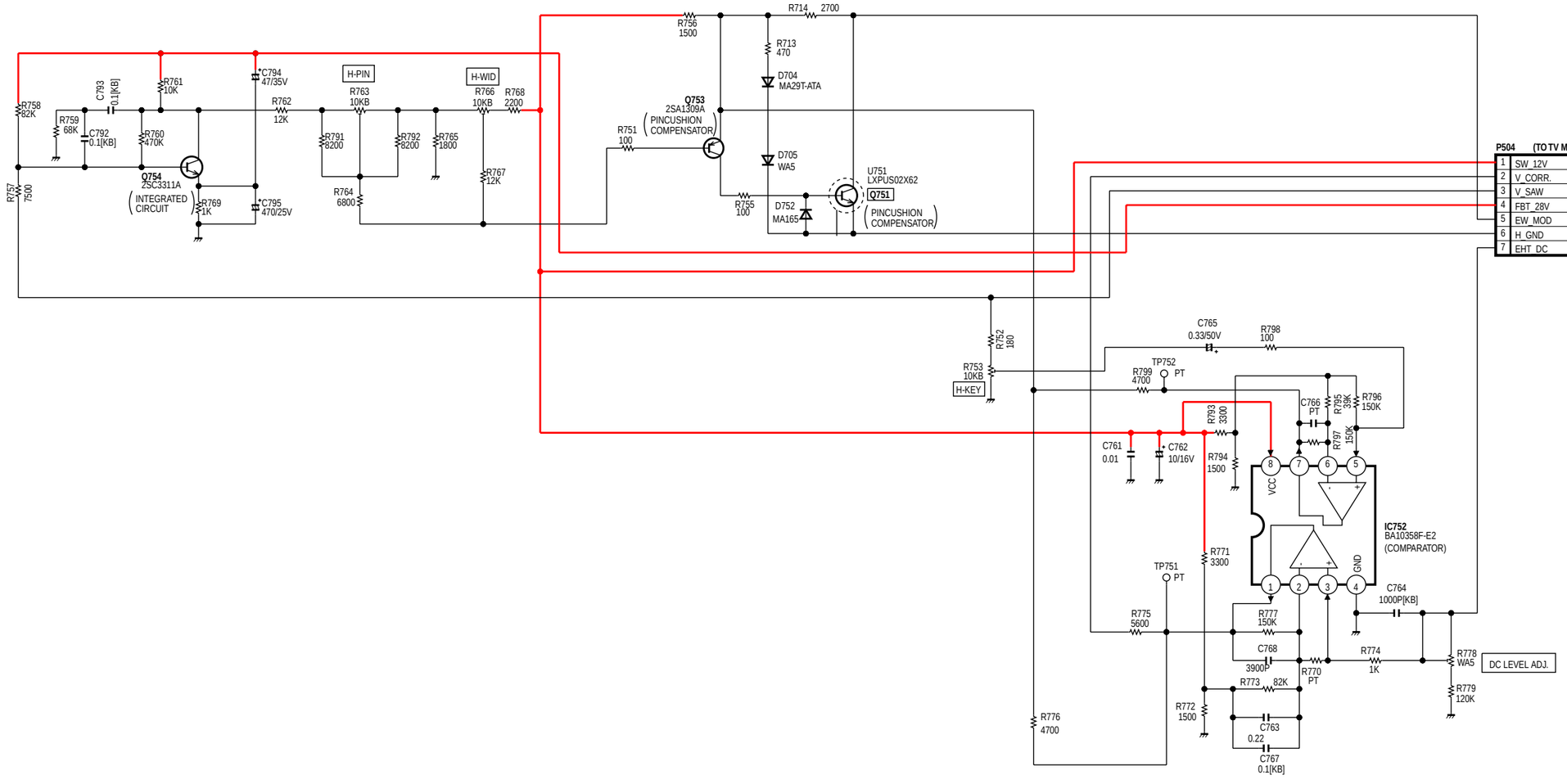
NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



LINK TO VOLTAGE CHART

LSJB2075
DEFLECTION SCHEMATIC DIAGRAM
PV-DF2703-K

POWER SUPPLY I SCHEMATIC DIAGRAM

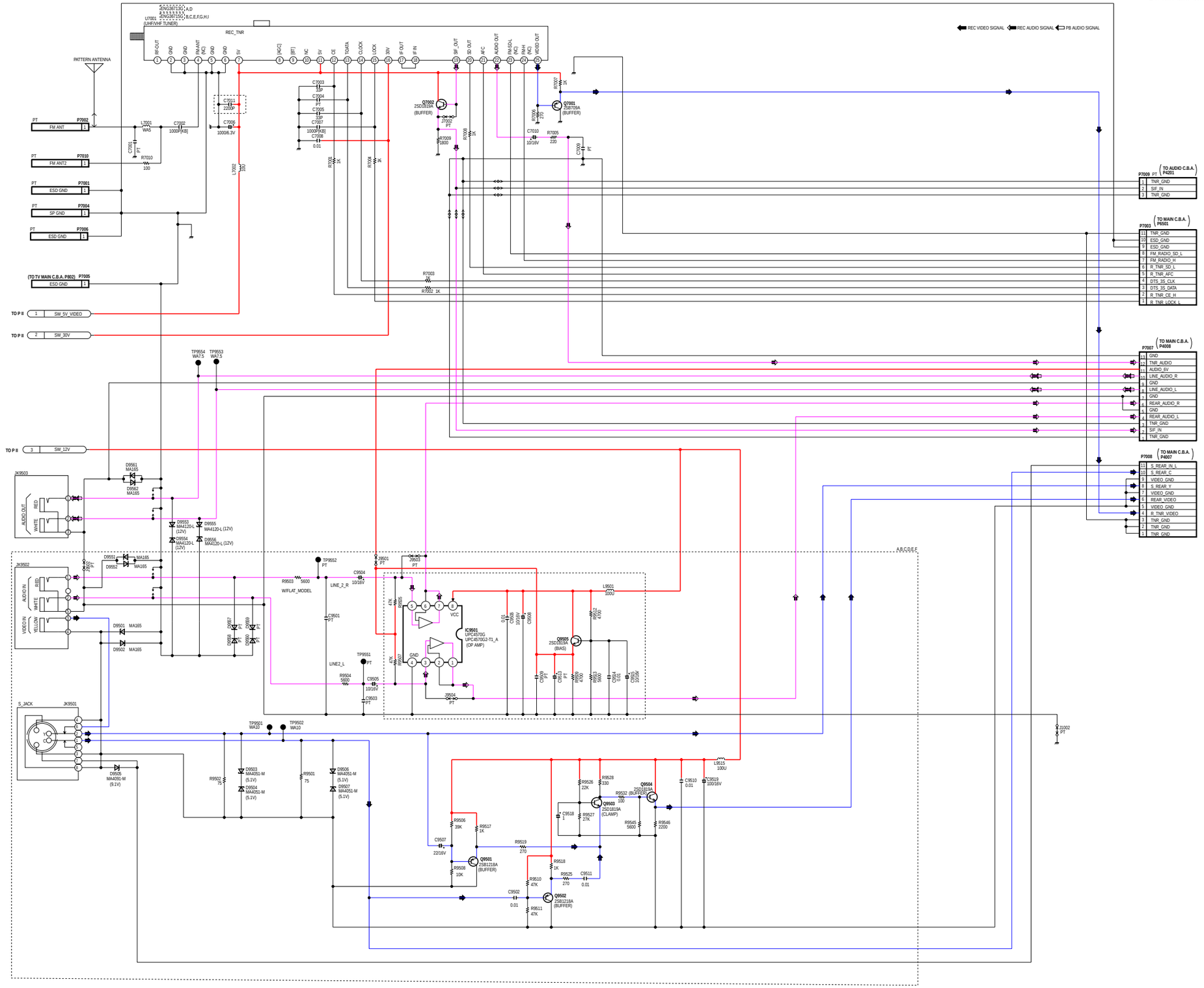
NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



LINK TO VOLTAGE CHART

LSJB2078
POWER SUPPLY I SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

POWER SUPPLY II SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

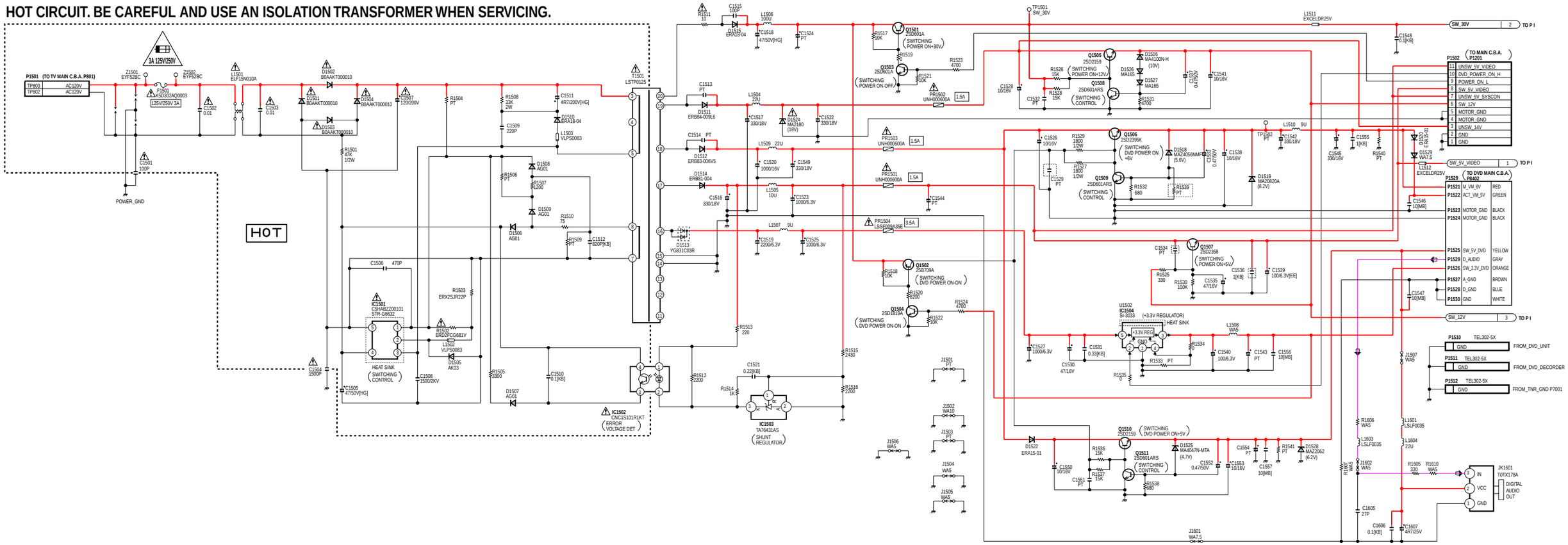
MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE 3A 125V/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME TYPE 3A 125V/250V

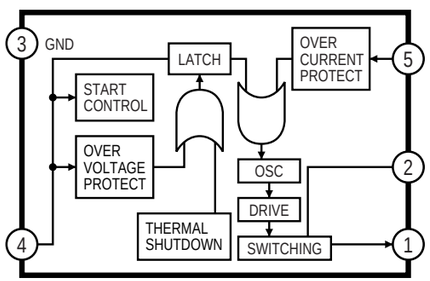
3A 125V/250V

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

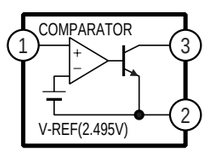
HOT CIRCUIT. BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING.



IC1501
SWITCHING CONTROL
IC- DETAIL BLOCK DIAGRAM



IC1503
SHUNT REGULATOR
IC- DETAIL BLOCK DIAGRAM



LINK TO VOLTAGE CHART
LSJB2078
POWER SUPPLY II SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

OPERATION SCHEMATIC DIAGRAM

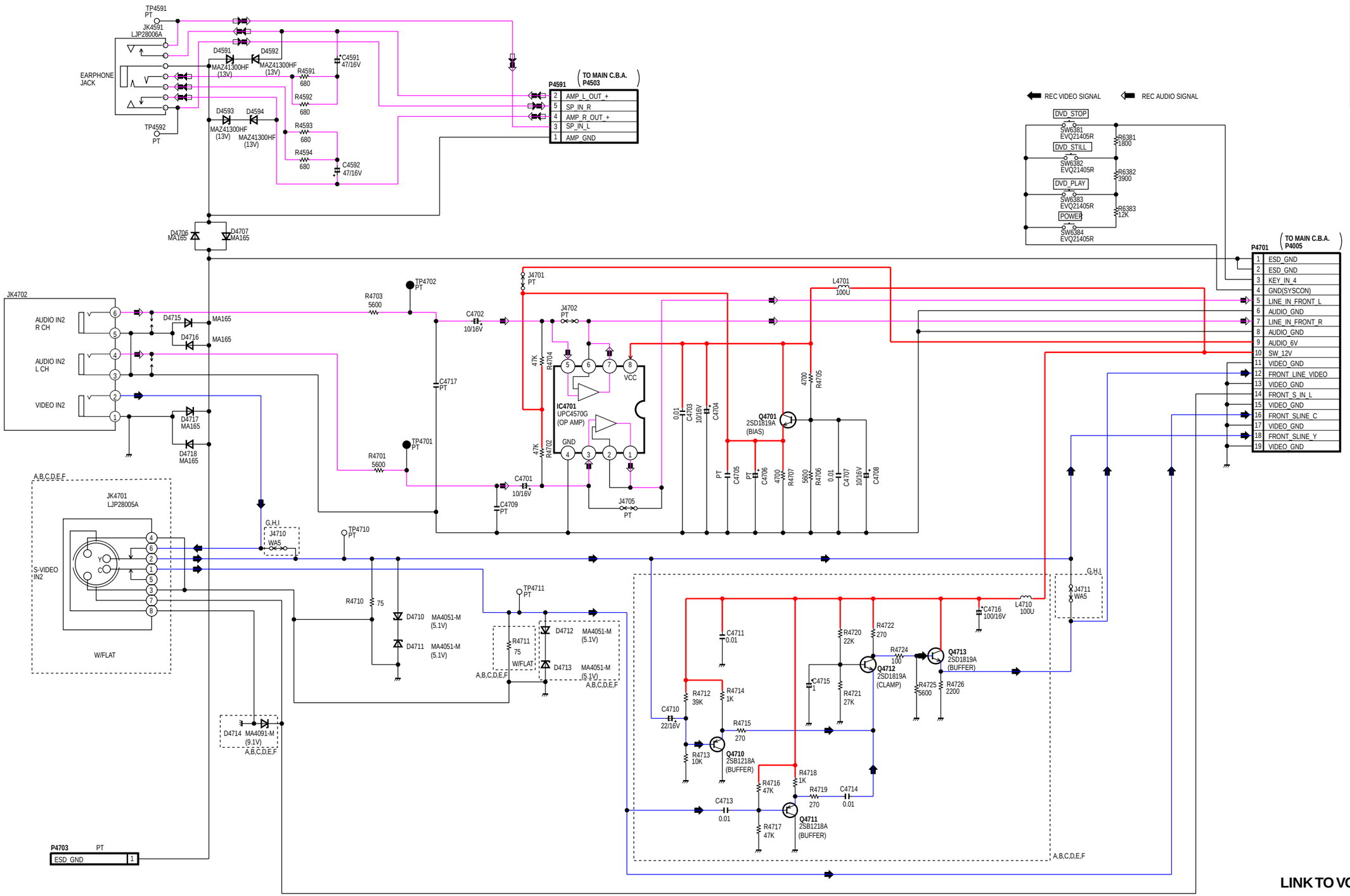
NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



LINK TO VOLTAGE CHART

LSJB2077
OPERATION SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

CRT SCHEMATIC DIAGRAM (C, I)

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

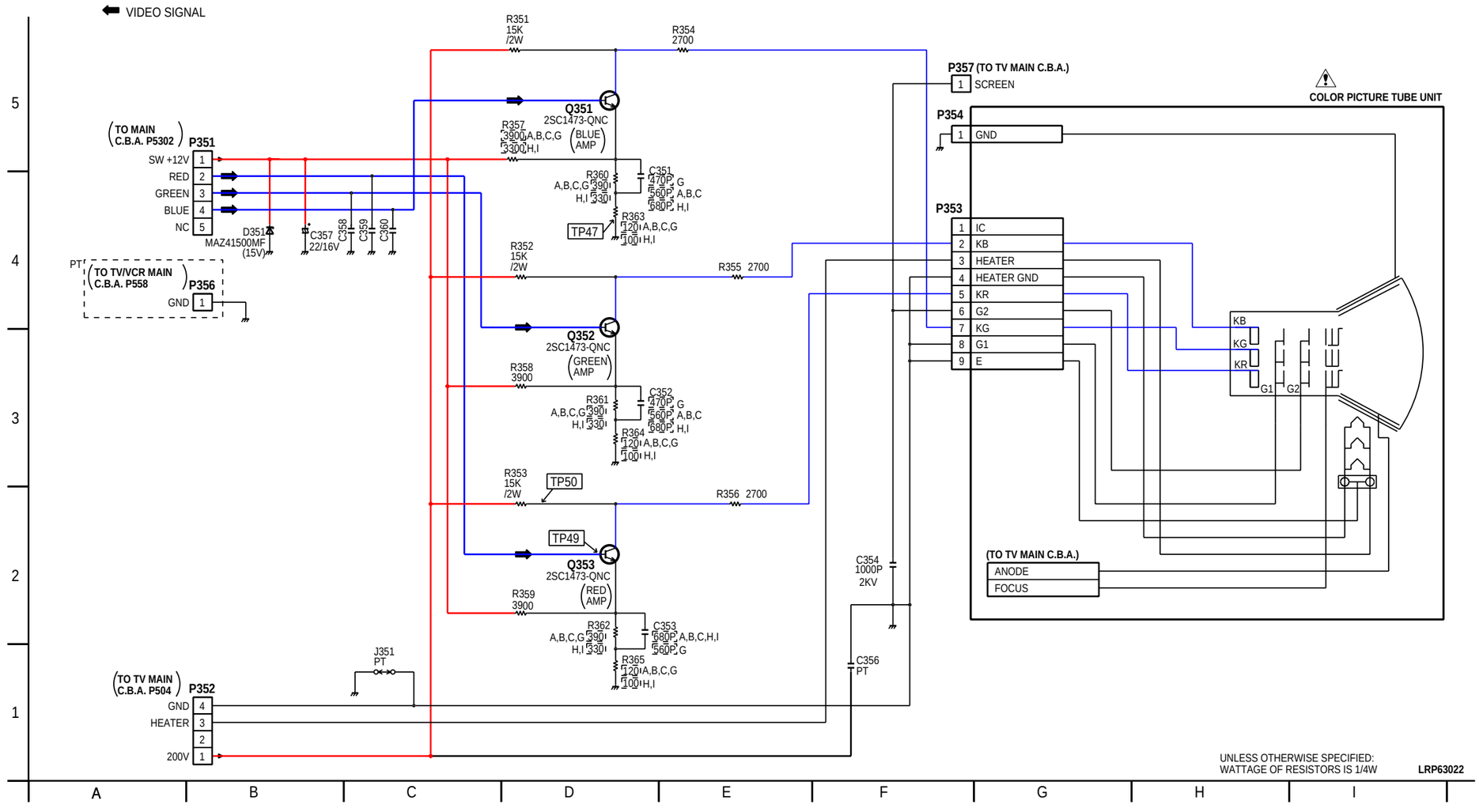
NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



LINK TO VOLTAGE CHART

LRP63022
CRT SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DM2793-K

CRT SCHEMATIC DIAGRAM (F)

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

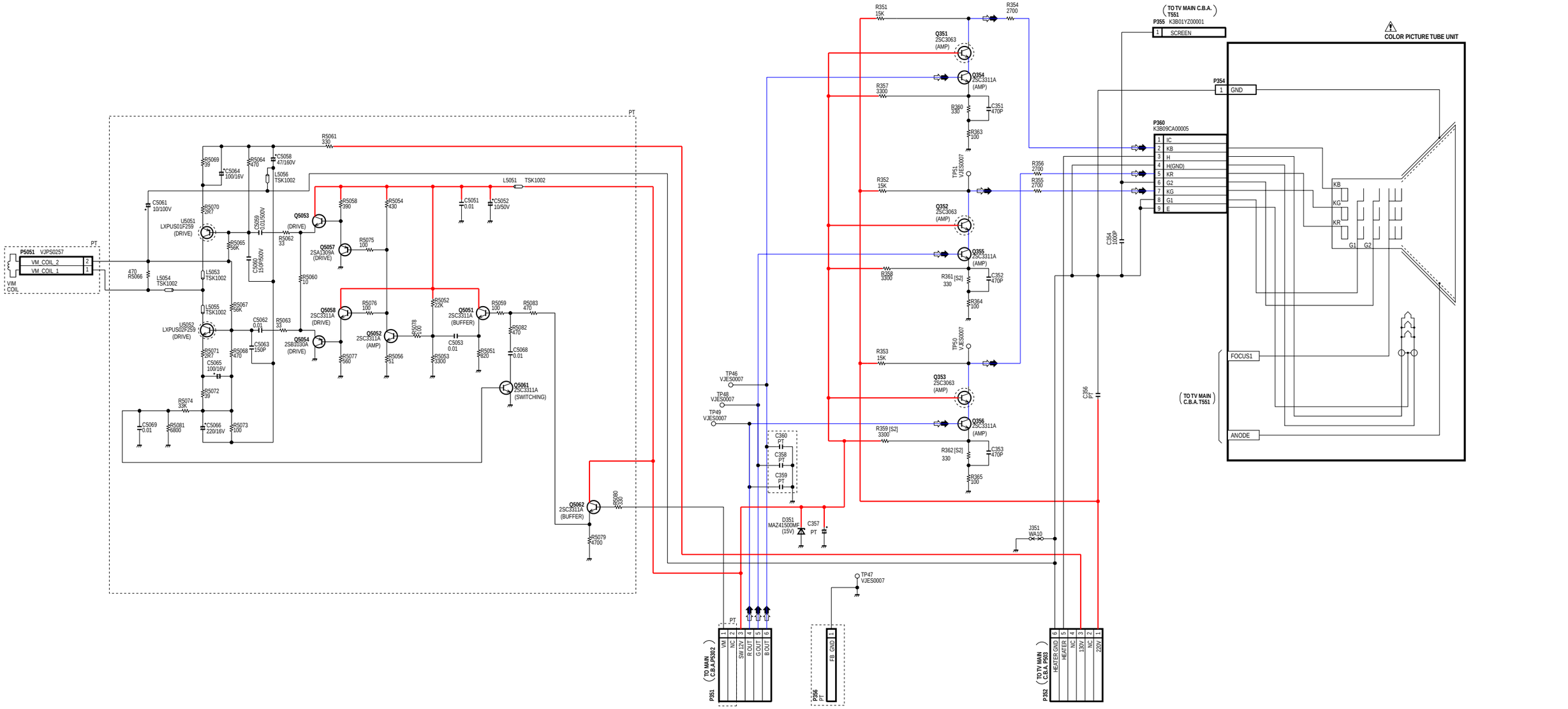
NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

REC VIDEO SIGNAL
PB VIDEO SIGNAL



LINK TO VOLTAGE CHART

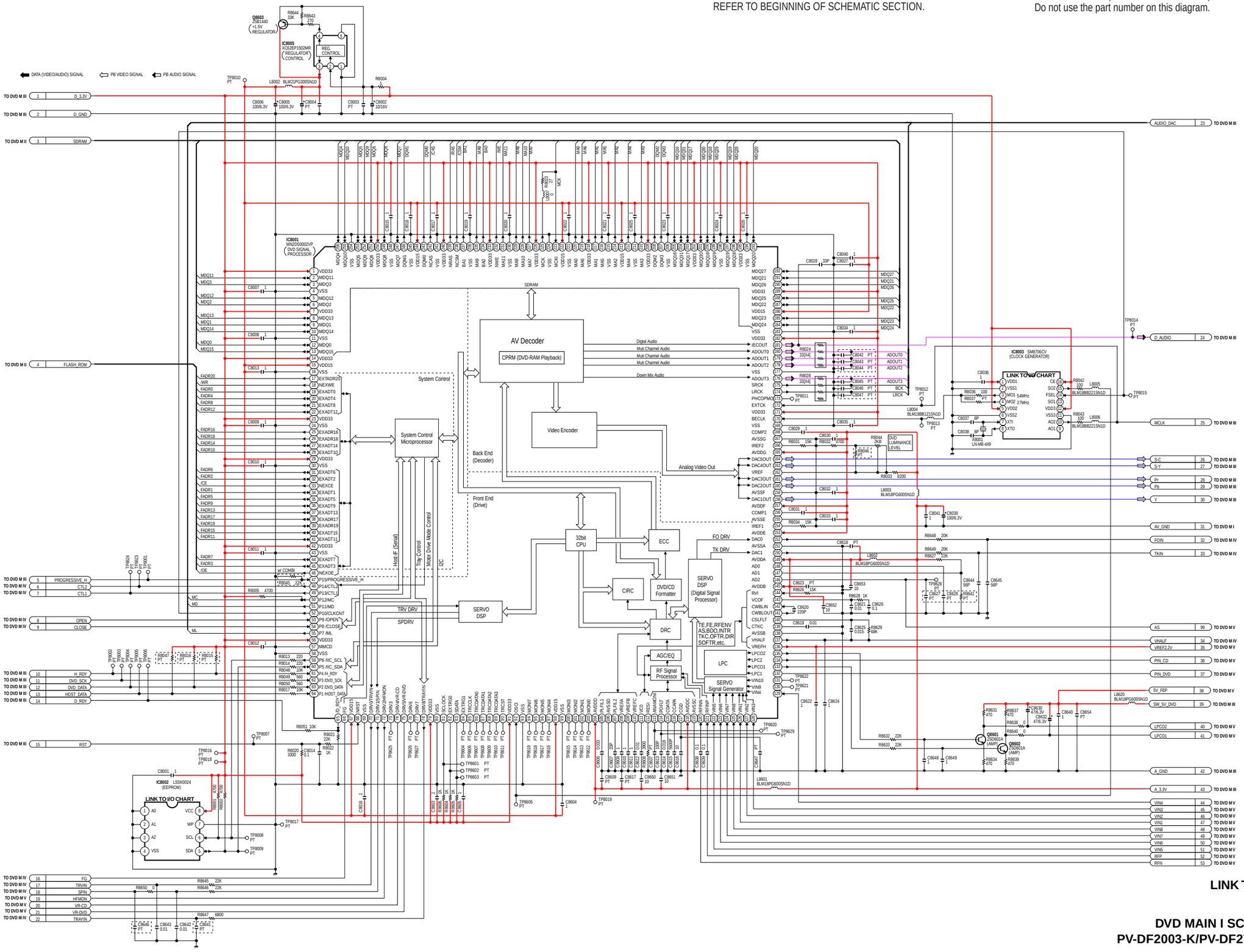
LSJB2079
CRT SCHEMATIC DIAGRAM
PV-DF2703-K

DVD MAIN I SCHEMATIC DIAGRAM

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.



LINK TO VOLTAGE CHART

LSJB2091
DVD MAIN I SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

I/O CHART OF IC8002

Pin No.	I/O	Signal Name	Description
1	-	A0	(Not used)
2	-	A1	(Not used)
3	-	A2	(Not used)
4	-	VSS	Ground
5	I/O	SDA	Serial data
6	I	SCL	Serial clock
7	-	WP	Write protect
8	I	VCC	+3.3V

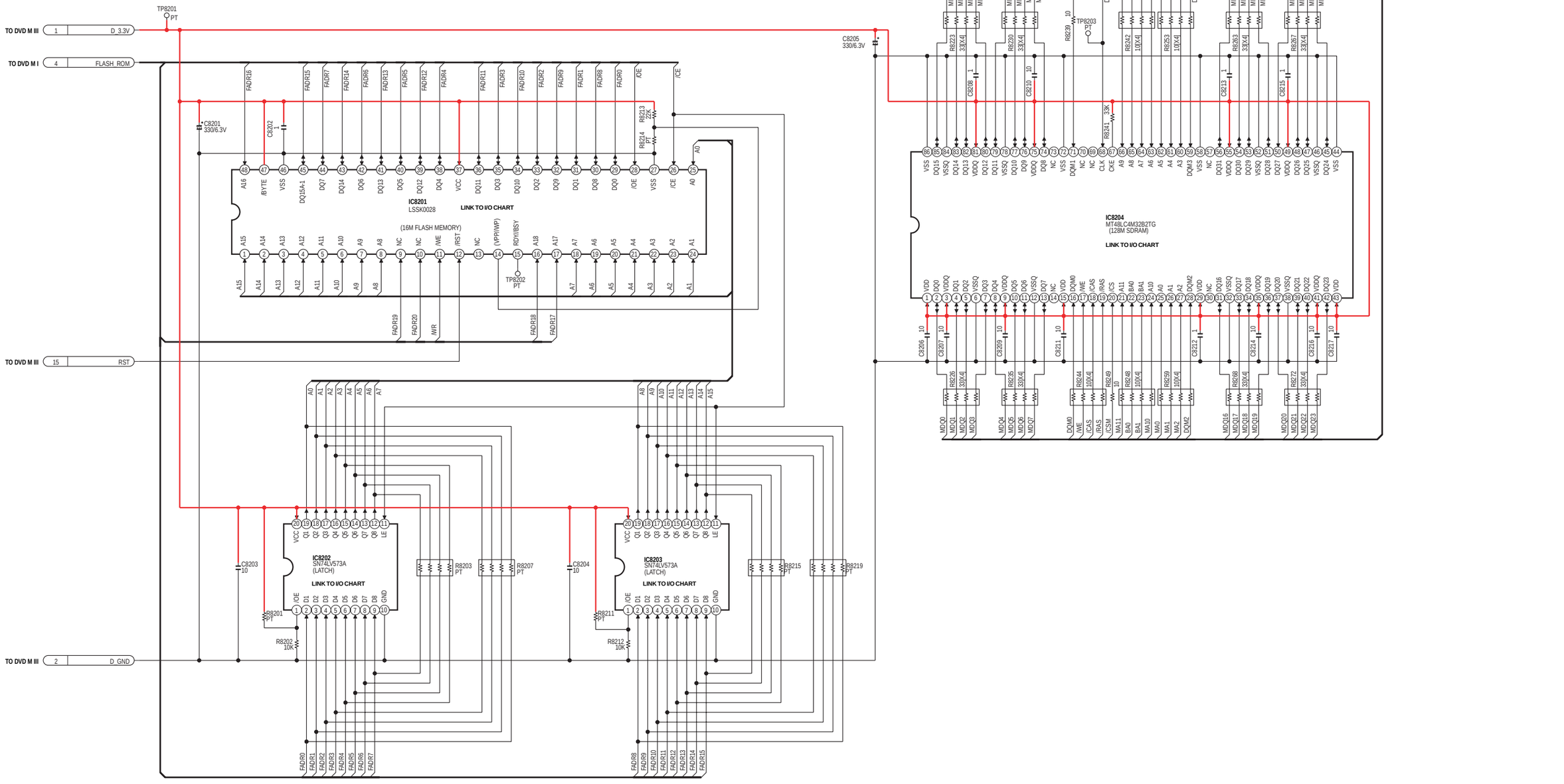
I/O CHART OF IC8003

Pin No.	I/O	Signal Name	Description
1	I	VDD1	+3.3V
2	I	VSS1	Ground
3	I	MO1	54 MHz clock
4	I	MO2	27 MHz clock
5	I	VDD2	+3.3V
6	I	VSS2	Ground
7	I	XTI	Clock
8	I	XTO	Clock
9	I	AO1	(Not used)
10	I	AO2	768 fs output
11	I	VSS3	Ground
12	I	VDD3	+3.3V
13	-	SO1	(Not used)
14	-	FSEL	Frequency select (48 kHz : high / 44.1 kHz : low)
15	I	SO2	33.8688 MHz
16	I	CE	Chip enable : high

DVD MAIN II SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.



LSJB2091
DVD MAIN II SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

I/O CHART OF IC8201

Pin No.	I/O	Signal Name	Description
1	I	A15	Memory address 16
2	I	A14	Memory address 15
3	I	A13	Memory address 14
4	I	A12	Memory address 13
5	I	A11	Memory address 12
6	I	A10	Memory address 11
7	I	A9	Memory address 10
8	I	A8	Memory address 9
9	I	NC	Memory address 20
10	I	NC	Memory address 21
11	I	/WE	Write enable : low
12	I	/RST	Reset : low
13	-	NC	(Not used)
14	-	VPP/WP	(Not used)
15	I	RDY/BSY	DVD Ready (Busy : low)
16	I	A18	Memory address 19
17	I	A17	Memory address 18
18	I	A7	Memory address 8
19	I	A6	Memory address 7
20	I	A5	Memory address 6
21	I	A4	Memory address 5
22	I	A3	Memory address 4
23	I	A2	Memory address 3
24	I	A1	Memory address 2
25	I	A0	Memory address 1
26	I	/CE	Memory chip select : low
27	-	VSS	Ground
28	I	/OE	Output enable : low
29	I/O	DQ0	Memory data 0
30	I/O	DQ8	Memory data 8
31	I/O	DQ1	Memory data 1
32	I/O	DQ9	Memory data 9
33	I/O	DQ2	Memory data 2
34	I/O	DQ10	Memory data 10
35	I/O	DQ3	Memory data 3
36	I/O	DQ11	Memory data 11
37	I	VCC	+3.3V
38	I/O	DQ4	Memory data 4
39	I/O	DQ12	Memory data 12
40	I/O	DQ5	Memory data 5
41	I/O	DQ13	Memory data 13
42	I/O	DQ6	Memory data 6
43	I/O	DQ14	Memory data 14
44	I/O	DQ7	Memory data 7
45	I/O	DQ15A-1	Memory data 15
46	-	VSS	Ground
47	I	/BYTE	+3.3V
48	I	A16	Memory address 16

I/O CHART OF IC8202

Pin No.	I/O	Signal Name	Description
1	-	/OE	Output enable : low
2	I	D1	Memory data 0
3	I	D2	Memory data 1
4	I	D3	Memory data 2
5	I	D4	Memory data 3
6	I	D5	Memory data 4
7	I	D6	Memory data 5
8	I	D7	Memory data 6
9	I	D8	Memory data 7
10	-	GND	Ground
11	I	LE	Memory chip select : low
12	O	Q8	Memory address 8
13	O	Q7	Memory address 7
14	O	Q6	Memory address 6
15	O	Q5	Memory address 5
16	O	Q4	Memory address 4
17	O	Q3	Memory address 3
18	O	Q2	Memory address 2
19	O	Q1	Memory address 1
20	I	VCC	+3.3V

I/O CHART OF IC8203

Pin No.	I/O	Signal Name	Description
1	-	/OE	Output enable : low
2	I	D1	Memory data 0
3	I	D2	Memory data 1
4	I	D3	Memory data 2
5	I	D4	Memory data 3
6	I	D5	Memory data 4
7	I	D6	Memory data 5
8	I	D7	Memory data 6
9	I	D8	Memory data 7
10	-	GND	Ground
11	I	LE	Memory chip select : low
12	O	Q8	Memory address 8
13	O	Q7	Memory address 7
14	O	Q6	Memory address 6
15	O	Q5	Memory address 5
16	O	Q4	Memory address 4
17	O	Q3	Memory address 3
18	O	Q2	Memory address 2
19	O	Q1	Memory address 1
20	I	VCC	+3.3V

I/O CHART OF IC8204

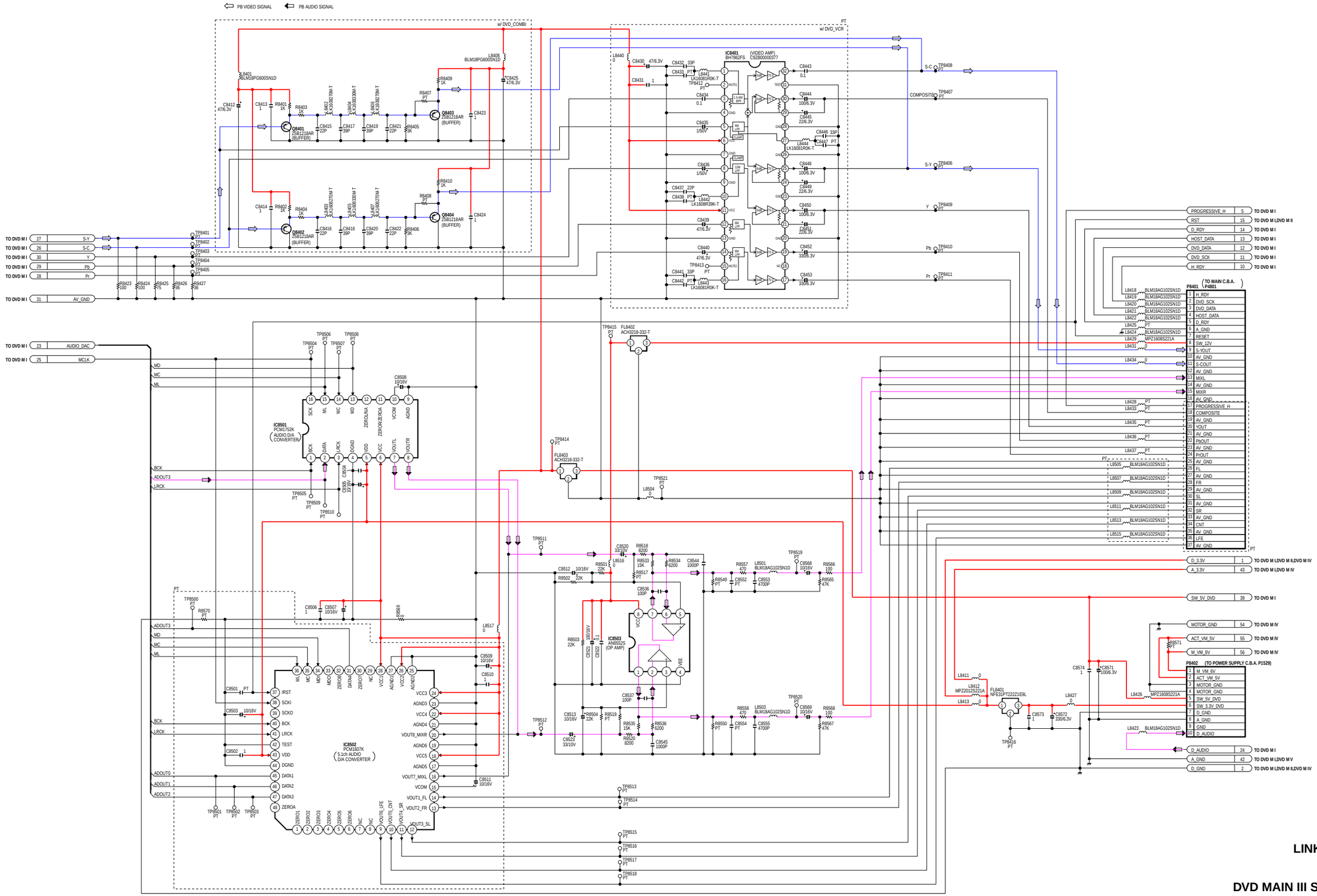
Pin No.	I/O	Signal Name	Description
1	I	VDD	+3.3V
2	I/O	DQ0	SDRAM data 0
3	I	VDDQ	+3.3V
4	I/O	DQ1	SDRAM data 1
5	I/O	DQ2	SDRAM data 2
6	-	VSSQ	Ground
7	I/O	DQ3	SDRAM data 3
8	I/O	DQ4	SDRAM data 4
9	I	VDDQ	+3.3V
10	I/O	DQ5	SDRAM data 5
11	I/O	DQ6	SDRAM data 6
12	-	VSSQ	Ground
13	I/O	DQ7	SDRAM data 7
14	-	NC	(Not used)
15	I	VDD	+3.3V
16	I	DQM0	Data input/output mask 0
17	I	/WE	Write enable : low
18	I	/CAS	Column address strobe : low
19	I	/RAS	Row address strobe :low
20	I	/CS	SDRAM chip select : low
21	I	All	SDRAM address 11
22	I	BA0	Bank address 0
23	I	BA1	Bank address 1
24	I	A10	SDRAM address 10
25	I	A0	SDRAM address 0
26	I	A1	SDRAM address 1
27	I	A2	SDRAM address 2
28	I	DQM2	Data input/output mask 2
29	I	VDD	+3.3V
30	-	NC	(Not used)
31	I/O	DQ16	SDRAM data 16
32	-	VSSQ	Ground
33	I/O	DQ17	SDRAM data 17
34	I/O	DQ18	SDRAM data 18
35	I	VDDQ	+3.3V
36	I/O	DQ19	SDRAM data 19
37	I/O	DQ20	SDRAM data 20
38	-	VSSQ	Ground
39	I/O	DQ21	SDRAM data 21
40	I/O	DQ22	SDRAM data 22
41	I	VDDQ	+3.3V
42	I/O	DQ23	SDRAM data 23
43	I	VDD	+3.3V
44	-	VSS	Ground
45	I/O	DQ24	SDRAM data 24
46	-	VSSQ	Ground
47	I/O	DQ25	SDRAM data 25
48	I/O	DQ26	SDRAM data 26
49	I	VDDQ	+3.3V
50	I/O	DQ27	SDRAM data 27
51	I/O	DQ28	SDRAM data 28
52	-	VSSQ	Ground
53	I/O	DQ29	SDRAM data 29
54	I/O	DQ30	SDRAM data 30
55	I	VDDQ	+3.3V
56	I/O	DQ31	SDRAM data 31
57	-	NC	(Not used)
58	-	VSS	Ground
59	I	DQM3	Data input/output mask 3
60	I	A3	SDRAM address 3
61	I	A4	SDRAM address 4
62	I	A5	SDRAM address 5
63	I	A6	SDRAM address 6
64	I	A7	SDRAM address 7
65	I	A8	SDRAM address 8
66	I	A9	SDRAM address 9
67	-	CKE	(Not used)
68	I	CLK	SDRAM clock
69	-	NC	(Not used)
70	-	NC	(Not used)
71	I	DQM1	Data input/output mask 1
72	-	VSS	Ground
73	-	NC	(Not used)
74	I/O	DQ8	SDRAM data 8
75	I	VDDQ	+3.3V
76	I/O	DQ9	SDRAM data 9
77	I/O	DQ10	SDRAM data 10
78	-	VSSQ	Ground
79	I/O	DQ11	SDRAM data 11
80	I/O	DQ12	SDRAM data 12
81	I	VDDQ	+3.3V
82	I/O	DQ13	SDRAM data 13
83	I/O	DQ14	SDRAM data 14
84	-	VSSQ	Ground
85	I/O	DQ15	SDRAM data 15
86	-	VSS	Ground

DVD MAIN III SCHEMATIC DIAGRAM

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.



LINK TO VOLTAGE CHART

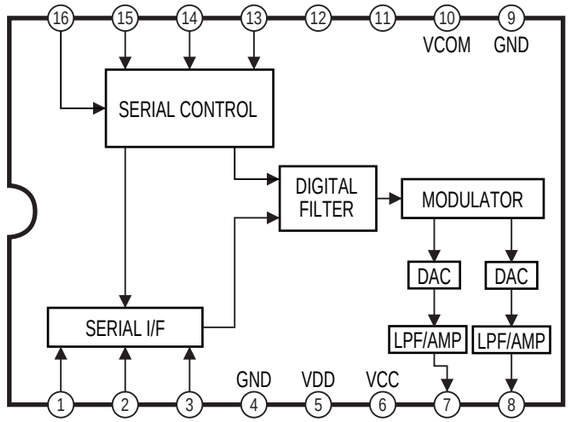
LSJB2091
DVD MAIN III SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

NOTE:
PARTS MARKED "PT" ARE NOT USED.

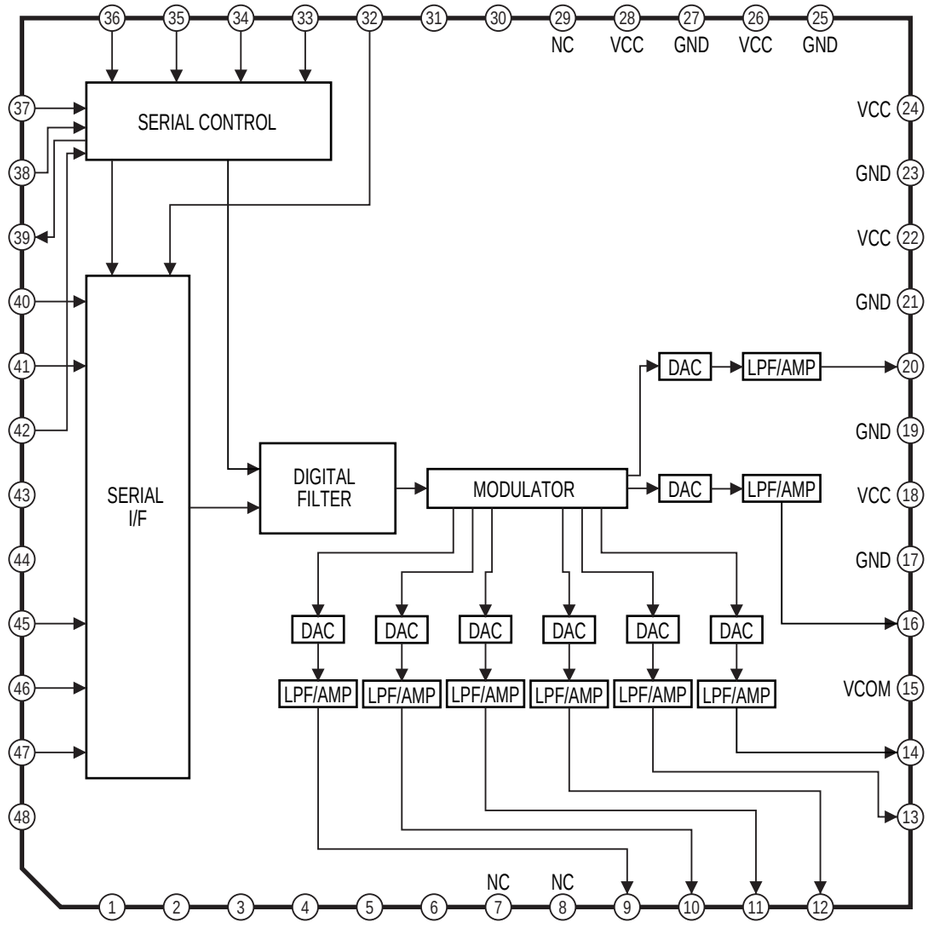
NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

IC8501 IC-DETAIL BLOCK DIAGRAM



IC8502 IC-DETAIL BLOCK DIAGRAM



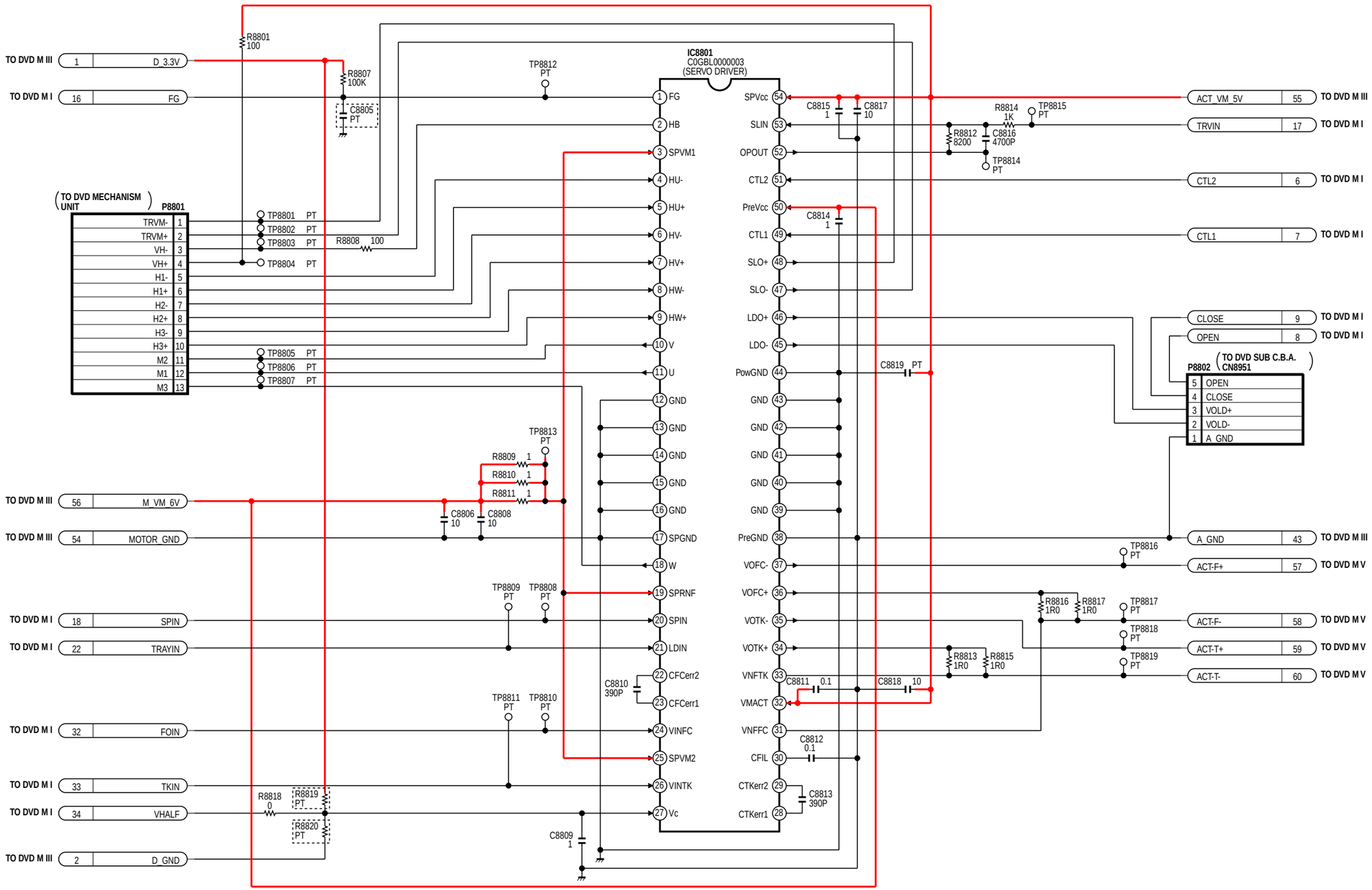
IC8501, IC8502 DETAIL BLOCK DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

DVD MAIN IV SCHEMATIC DIAGRAM

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

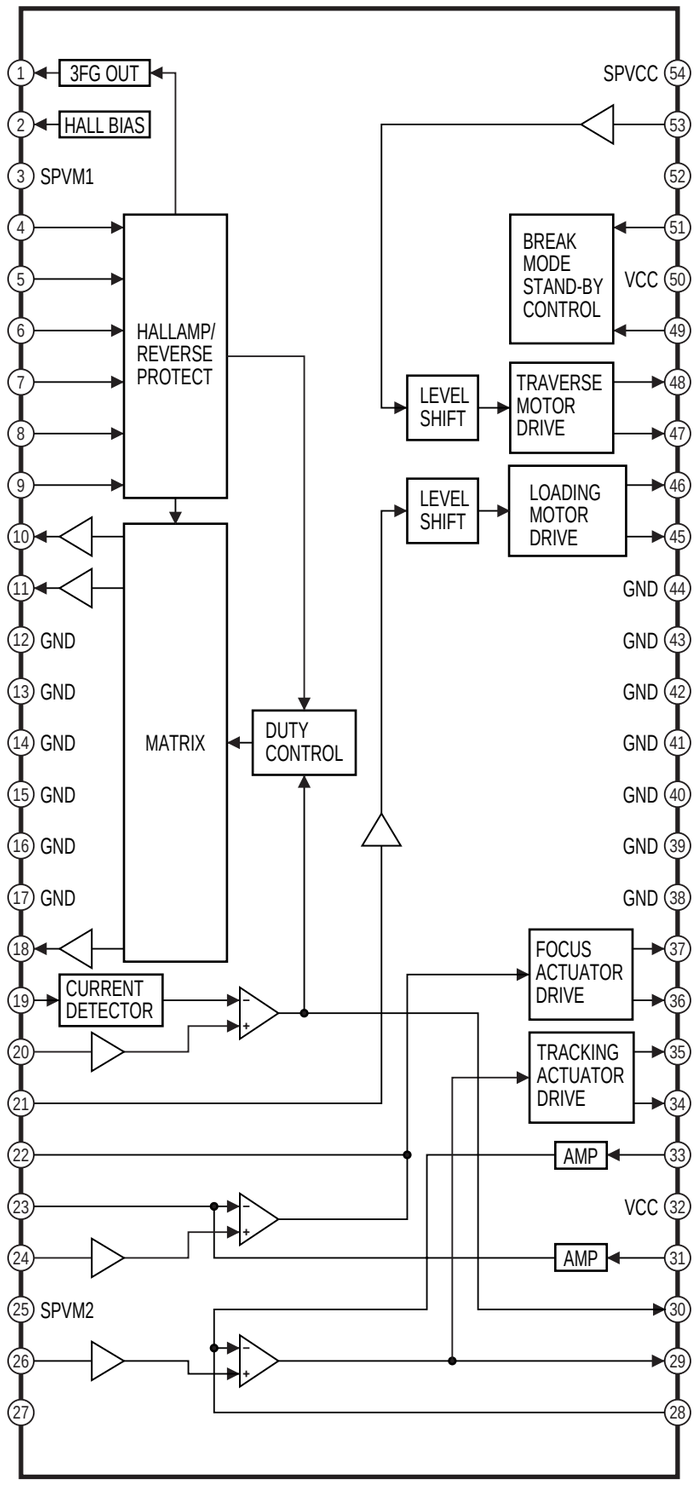
NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.



LINK TO VOLTAGE CHART

LSJB2091
DVD MAIN IV SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

IC8801 IC-DETAIL BLOCK DIAGRAM



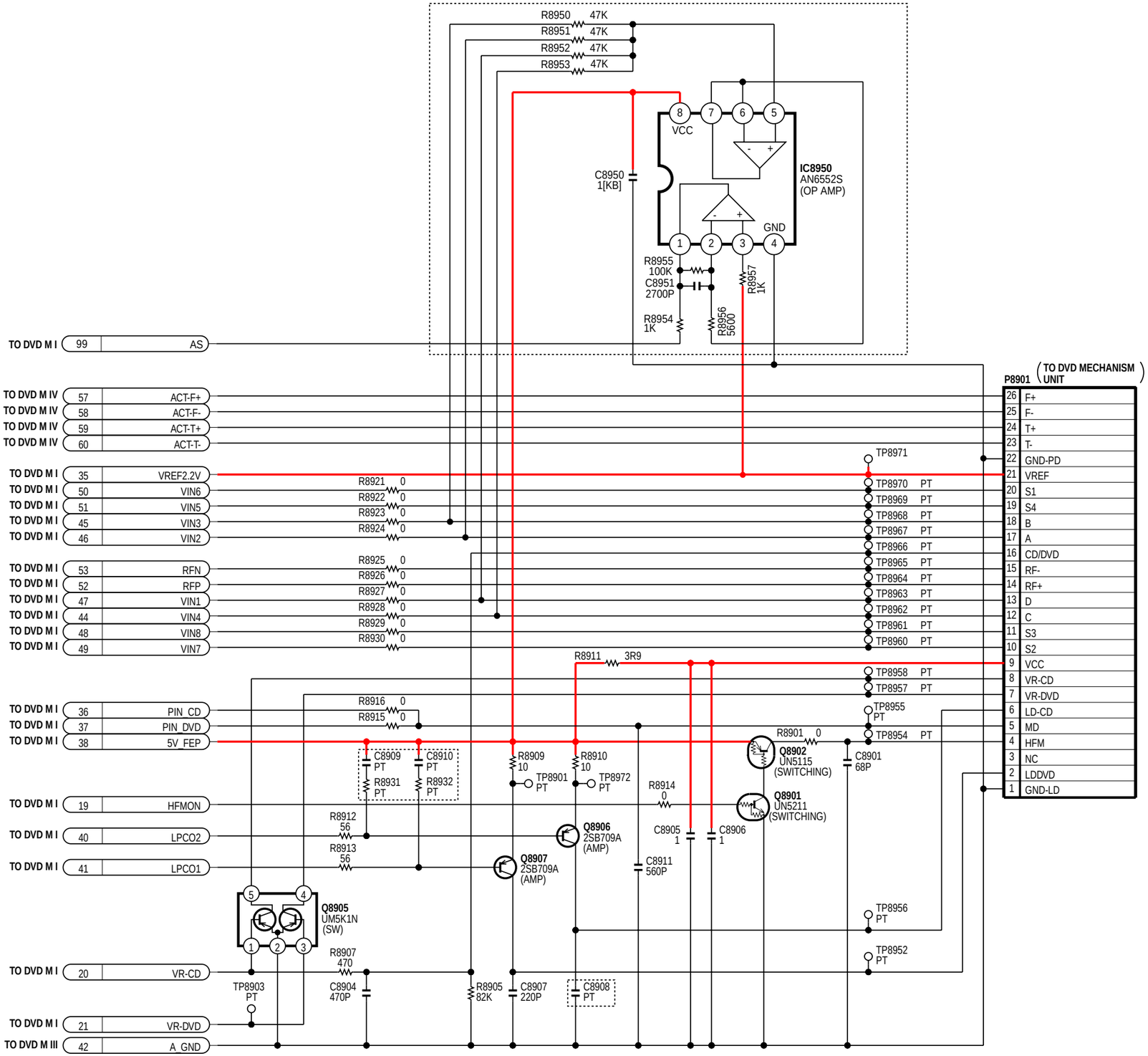
IC8801 DETAIL BLOCK DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

DVD MAIN V SCHEMATIC DIAGRAM

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.



LINK TO VOLTAGE CHART

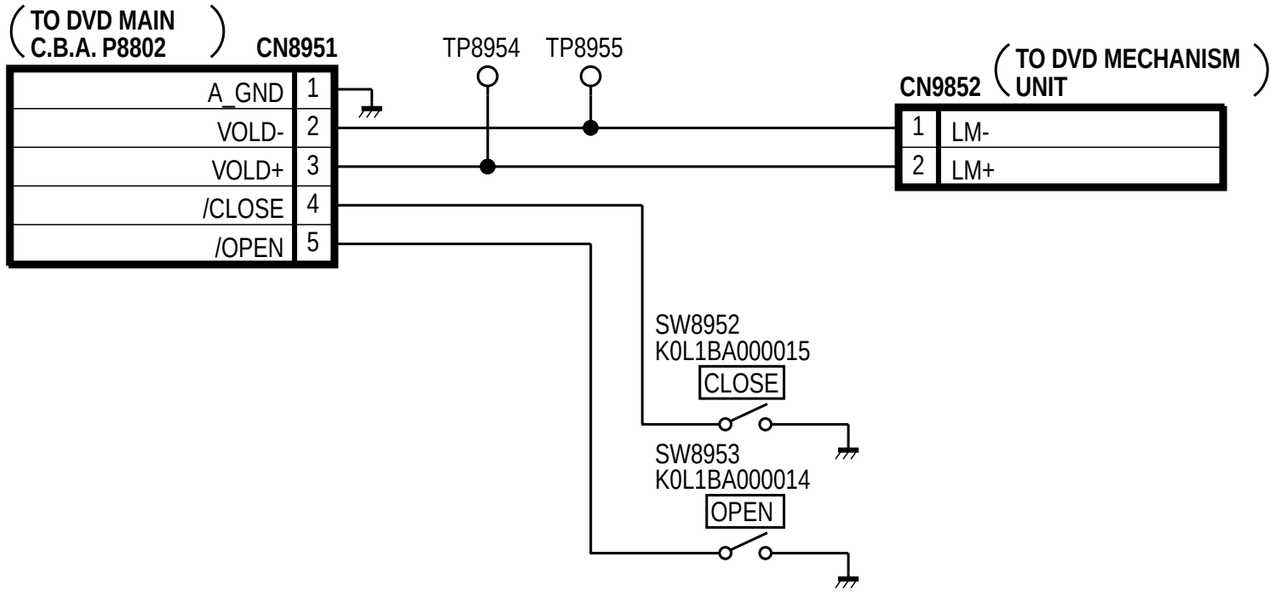
LSJB2091
DVD MAIN V SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

DVD SUB SCHEMATIC DIAGRAM

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.



LINK TO VOLTAGE CHART

INTERCONNECTION SCHEMATIC DIAGRAM

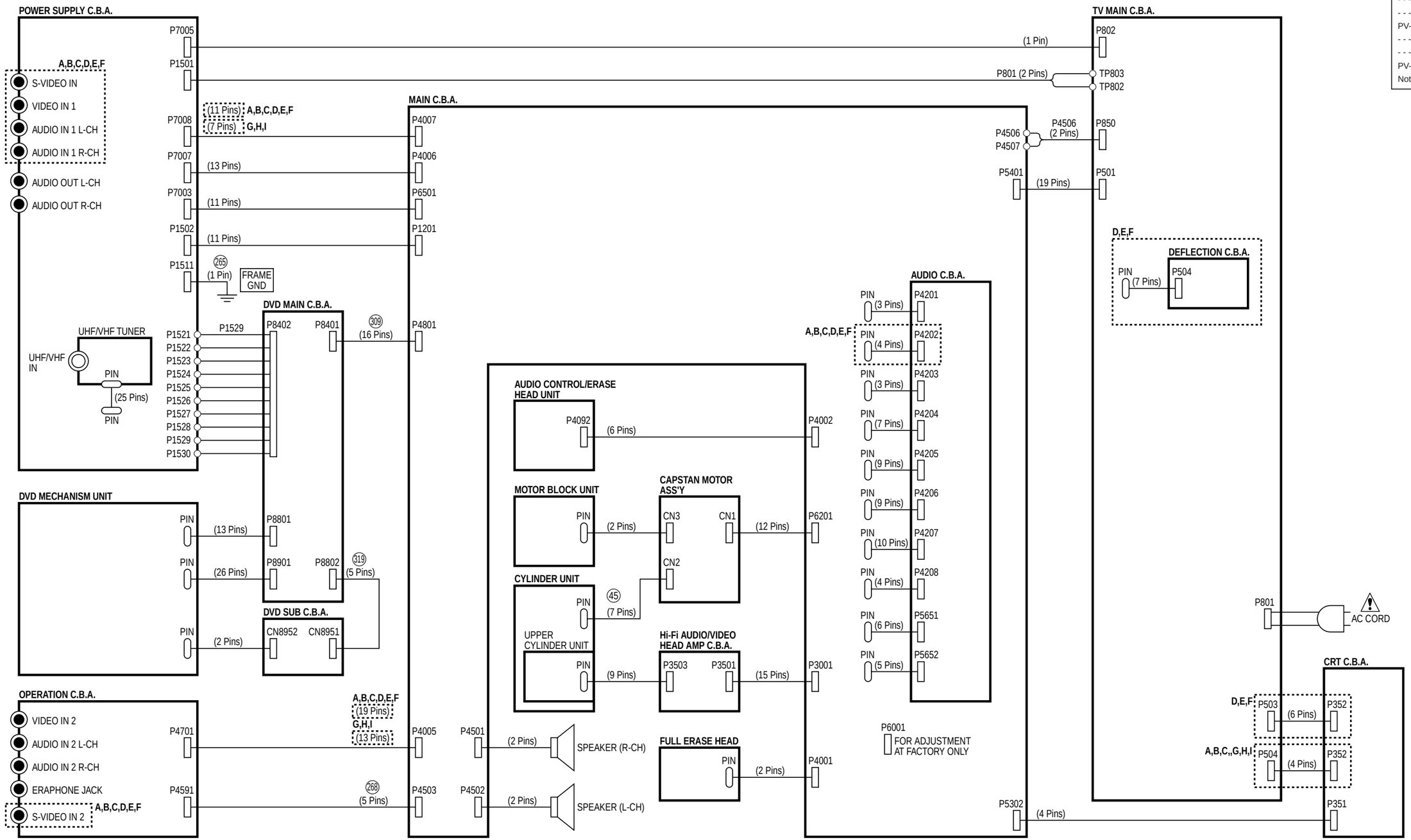
NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

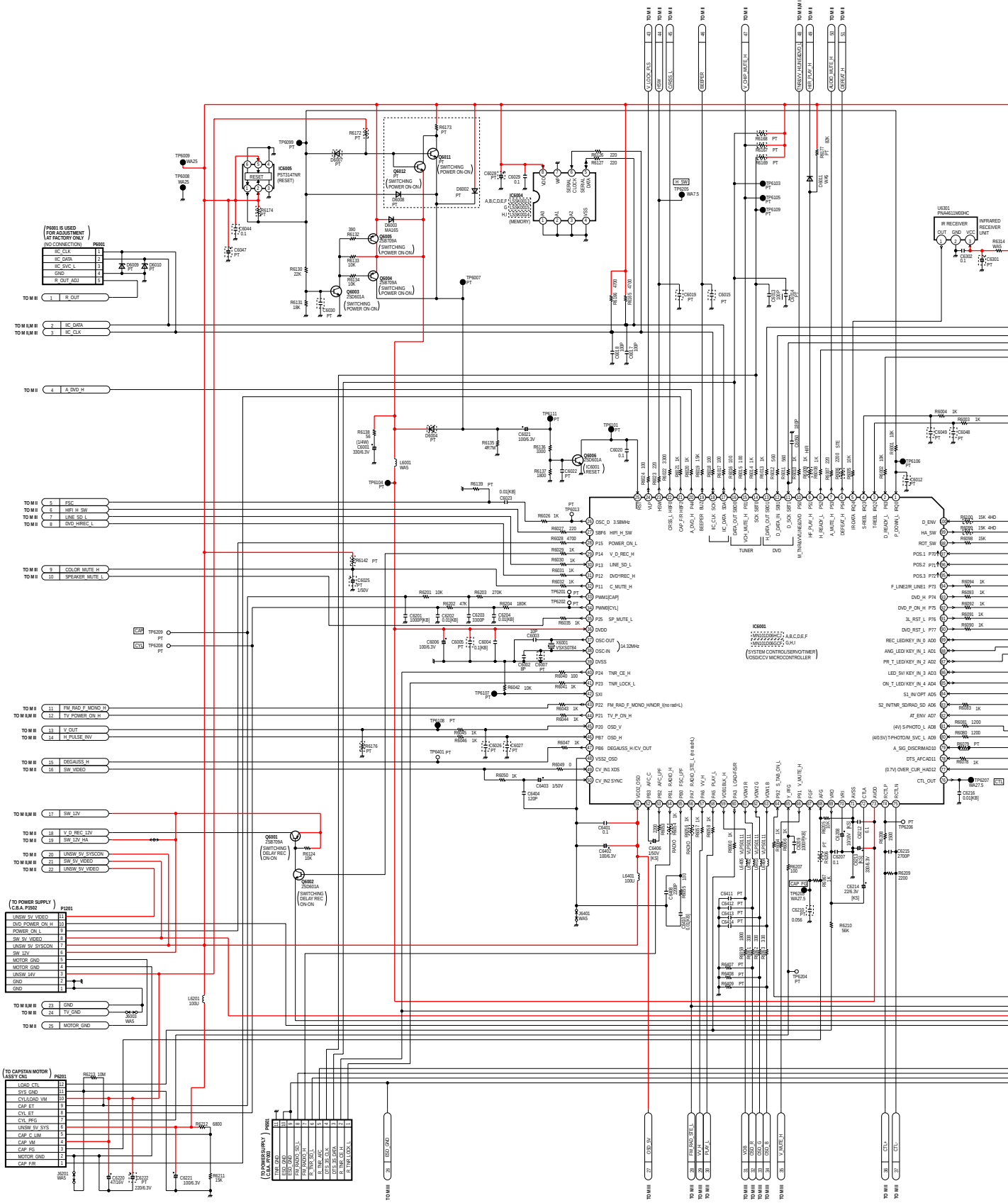


INTERCONNECTION SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

8.2. MAIN SCHEMATIC DIAGRAMS

MAIN I SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

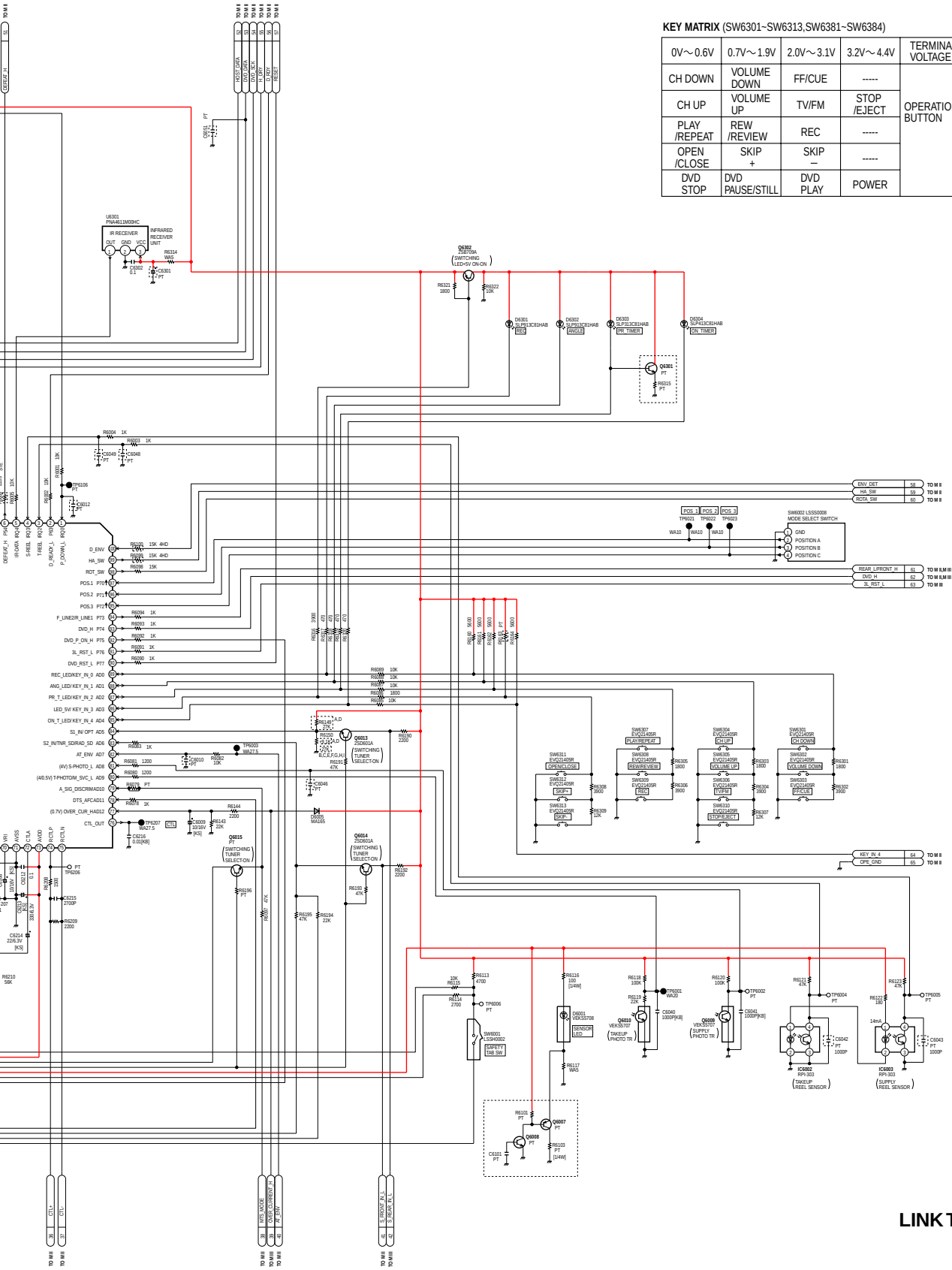
NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

KEY MATRIX (SW6301~SW6313,SW6381~SW6384)

0V～0.6V	0.7V～1.9V	2.0V～3.1V	3.2V～4.4V	TERMINAL VOLTAGE
CH DOWN	VOLUME DOWN	FF/CUE	-----	OPERATION BUTTON
CH UP	VOLUME UP	TV/FM	STOP /EJECT	
PLAY /REPEAT	REW /REVIEW	REC	-----	
OPEN /CLOSE	SKIP +	SKIP −	-----	
DVD STOP	DVD PAUSE/STILL	DVD PLAY	POWER	

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

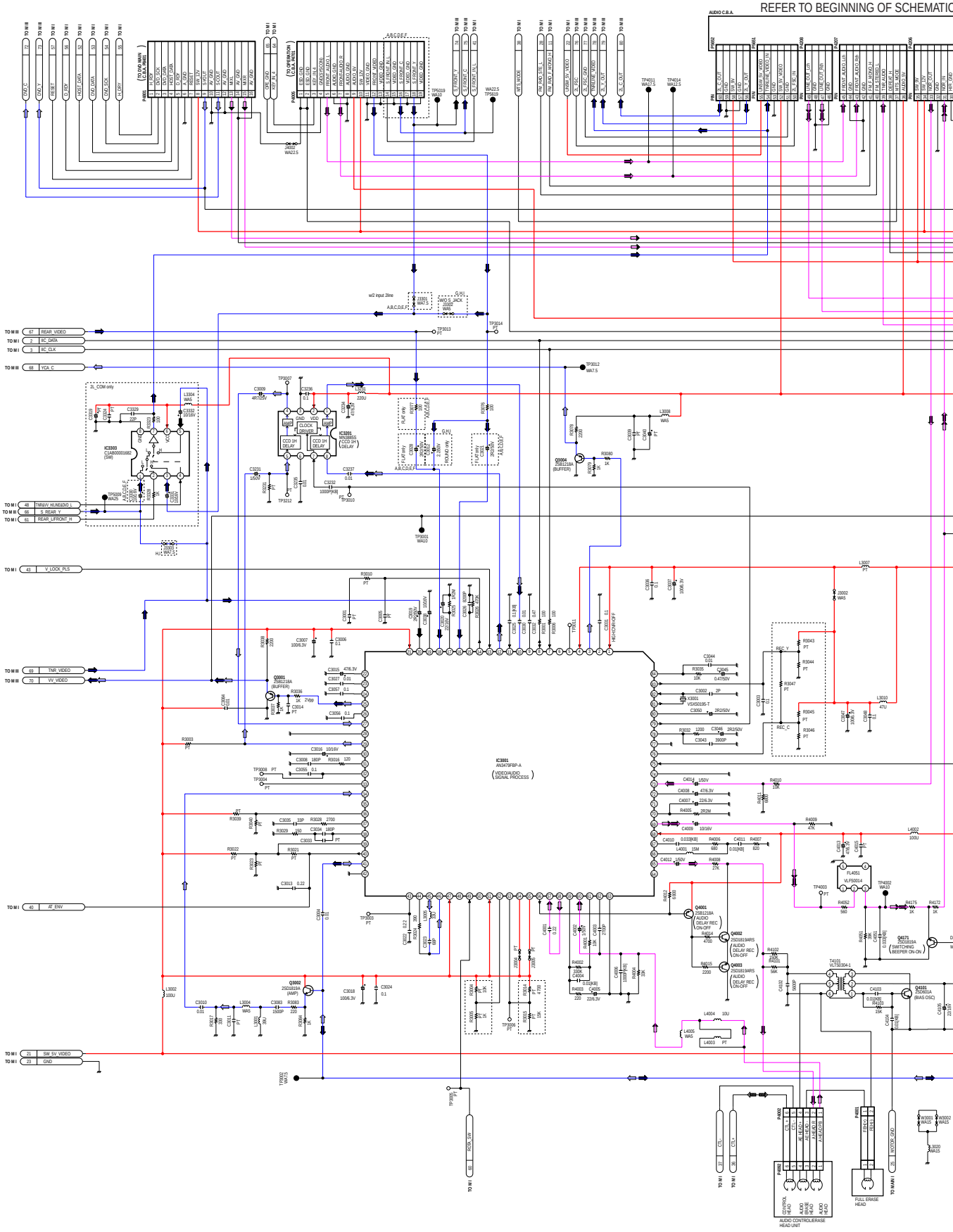


LINK TO VOLTAGE CHART

LSJB2073
MAIN I SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

MAIN II SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



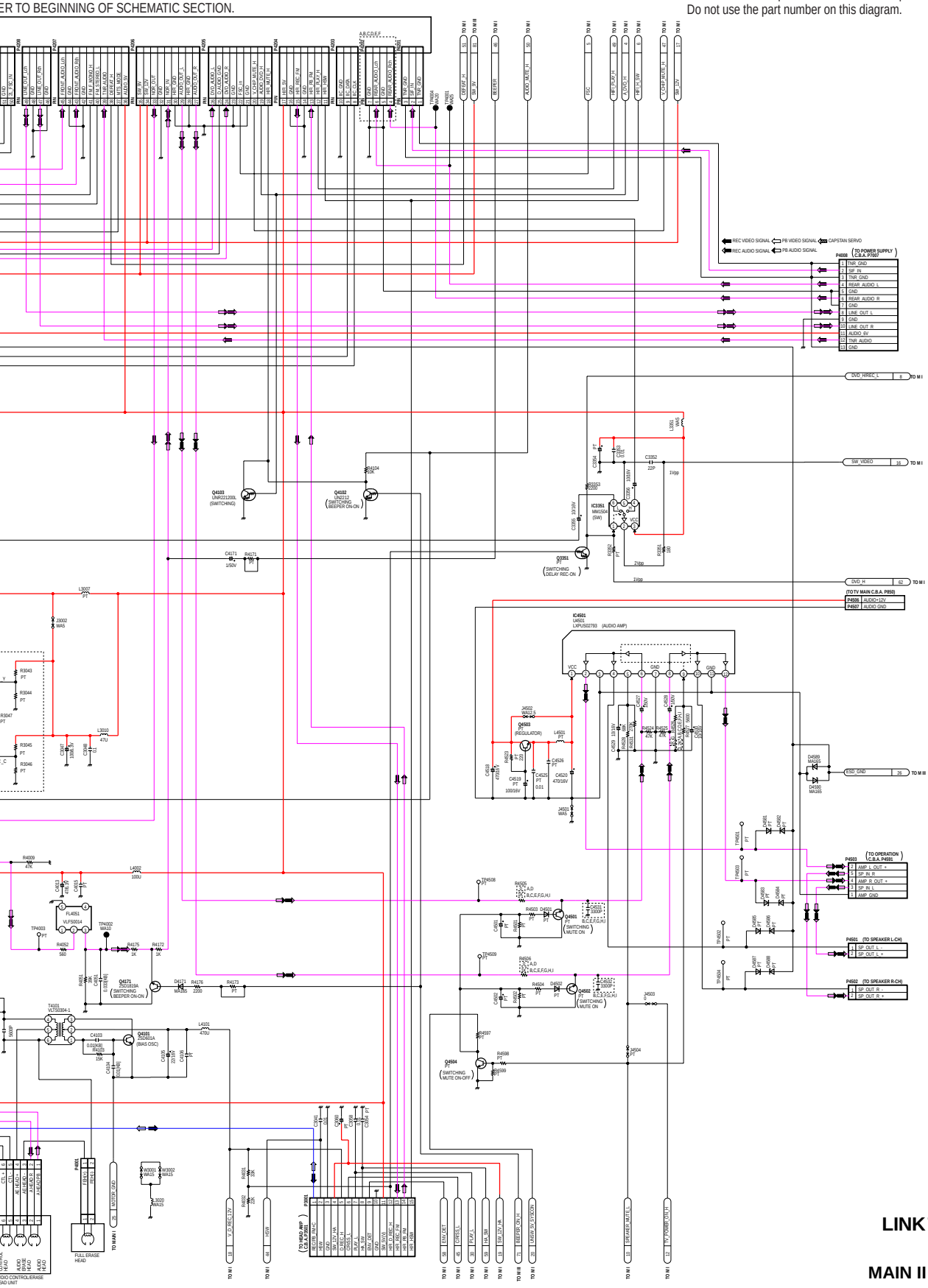
SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

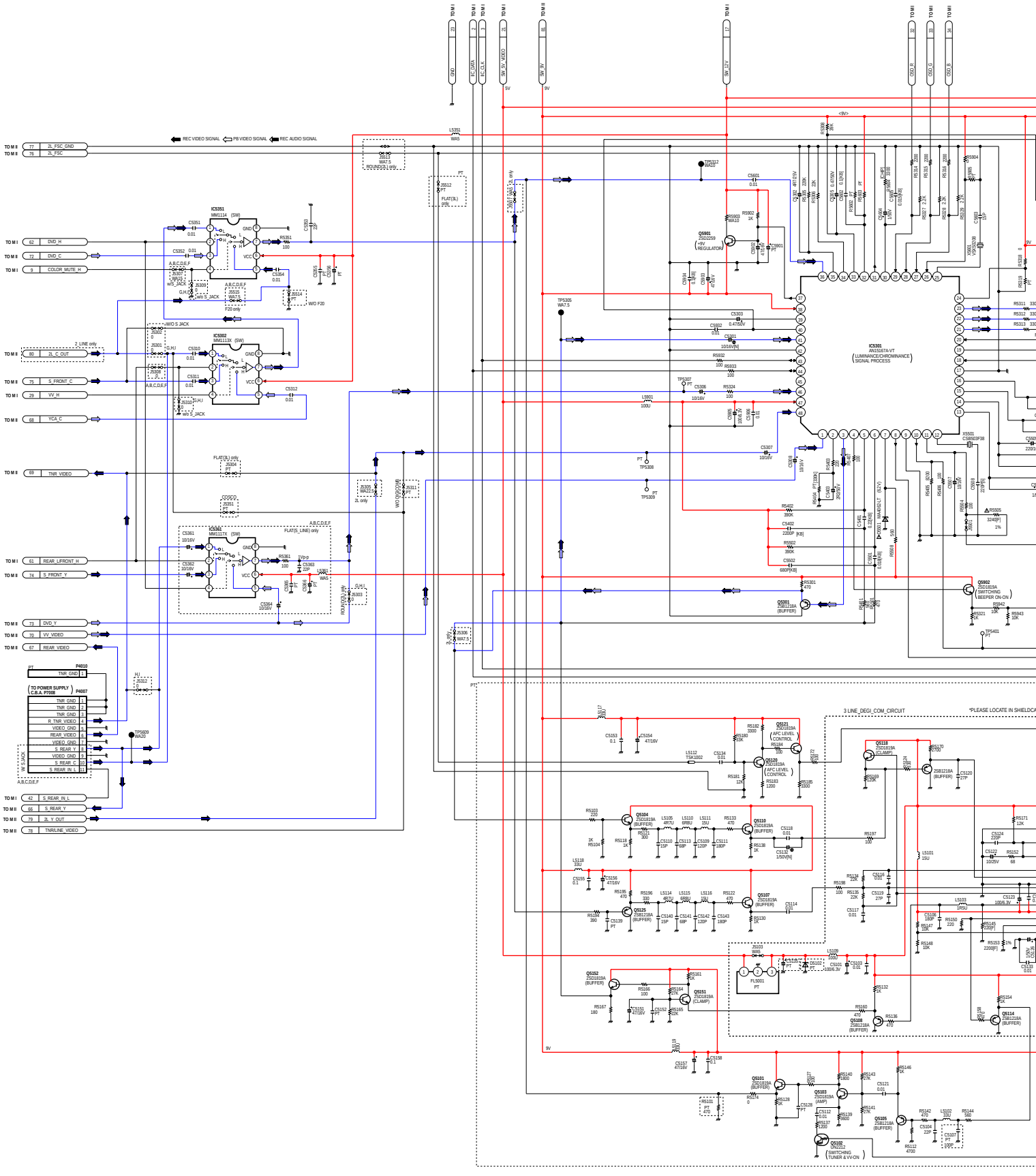


LINK TO VOLTAGE CHART

LSJB2073
MAIN II SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

MAIN III SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

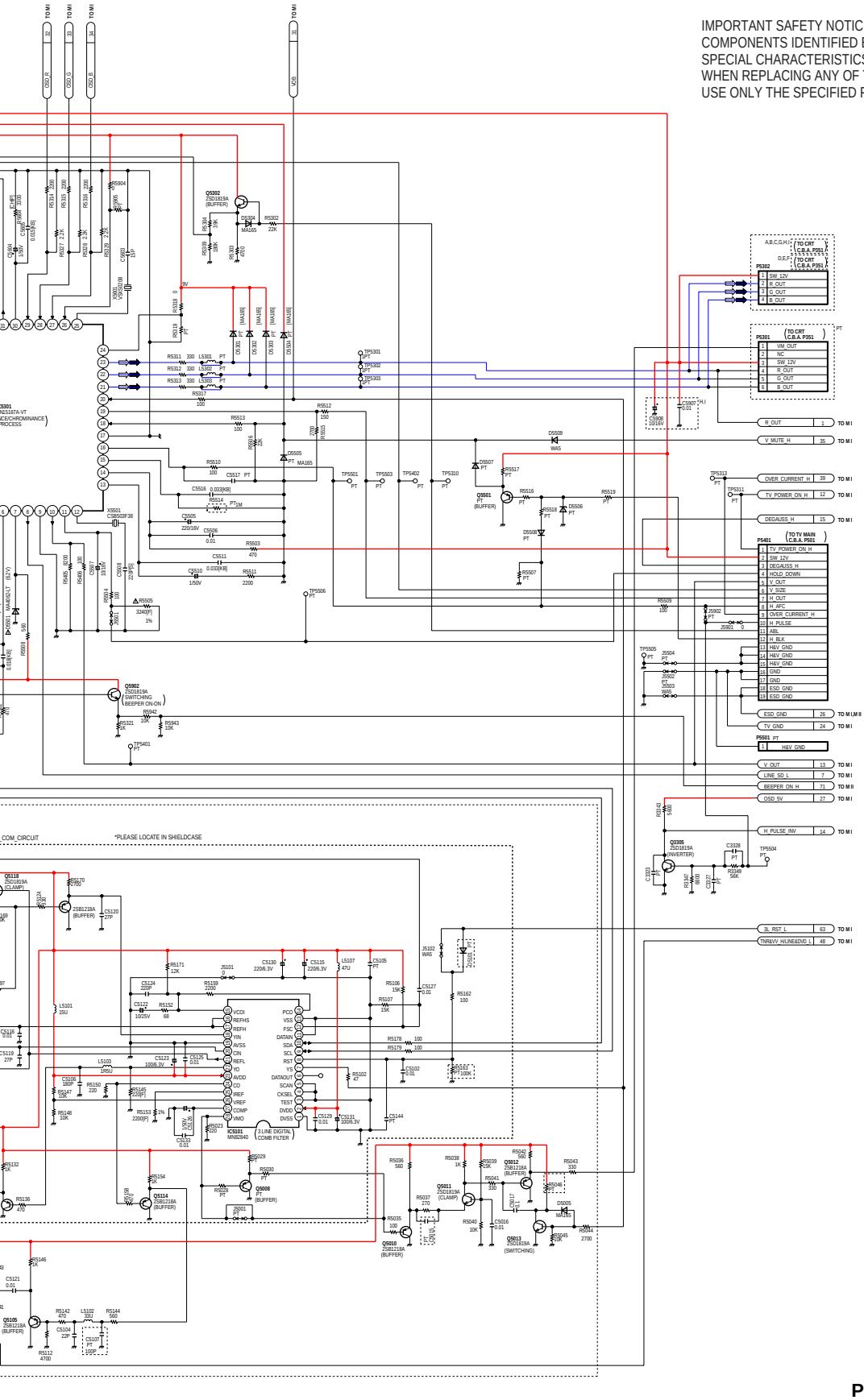
NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



LINK TO VOLTAGE CHART

LSJB2073
MAIN III SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

8.3. AUDIO SCHEMATIC DIAGRAMS

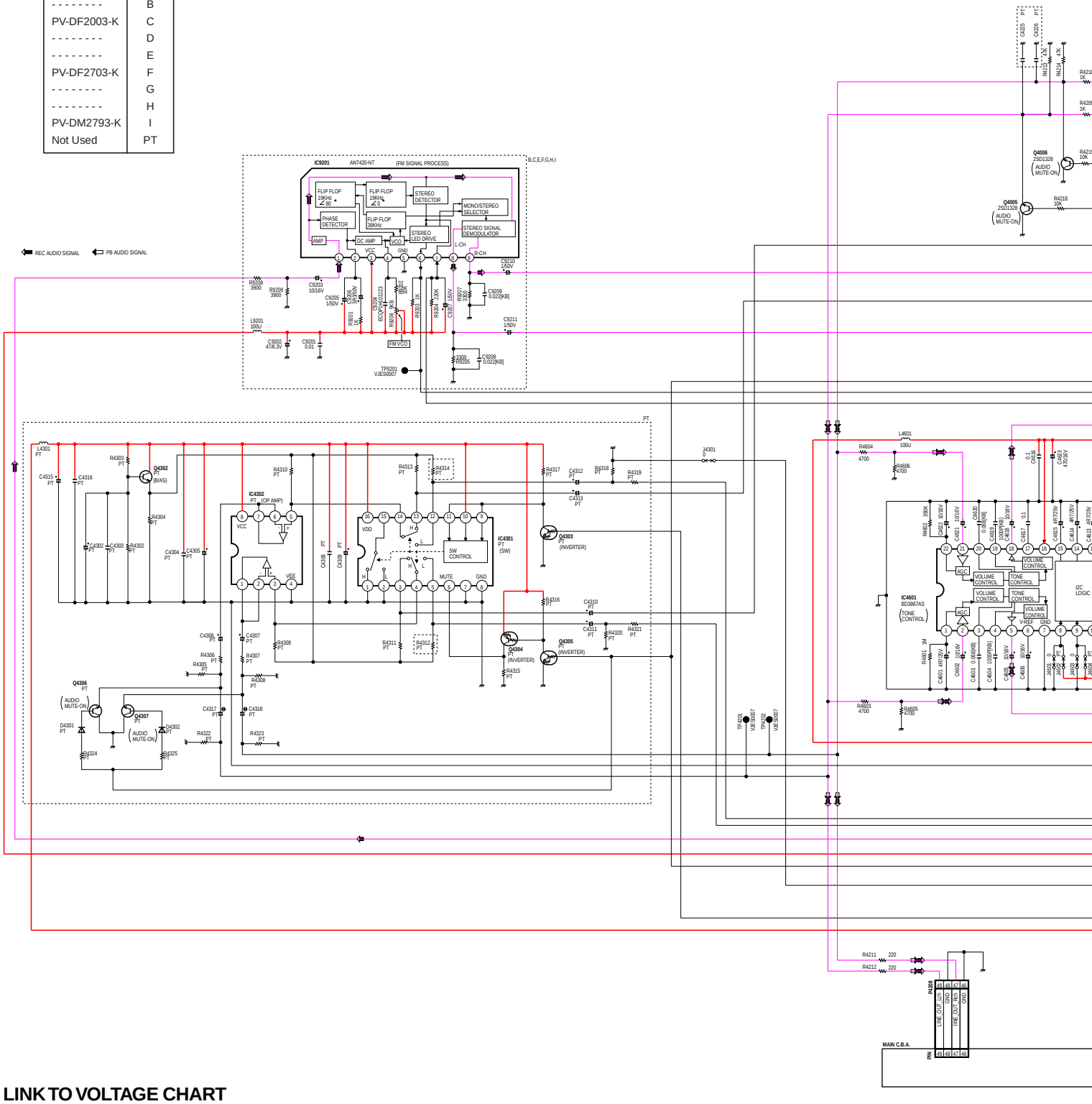
AUDIO I SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "I

COMPARISON CHART OF MODELS & MARKS

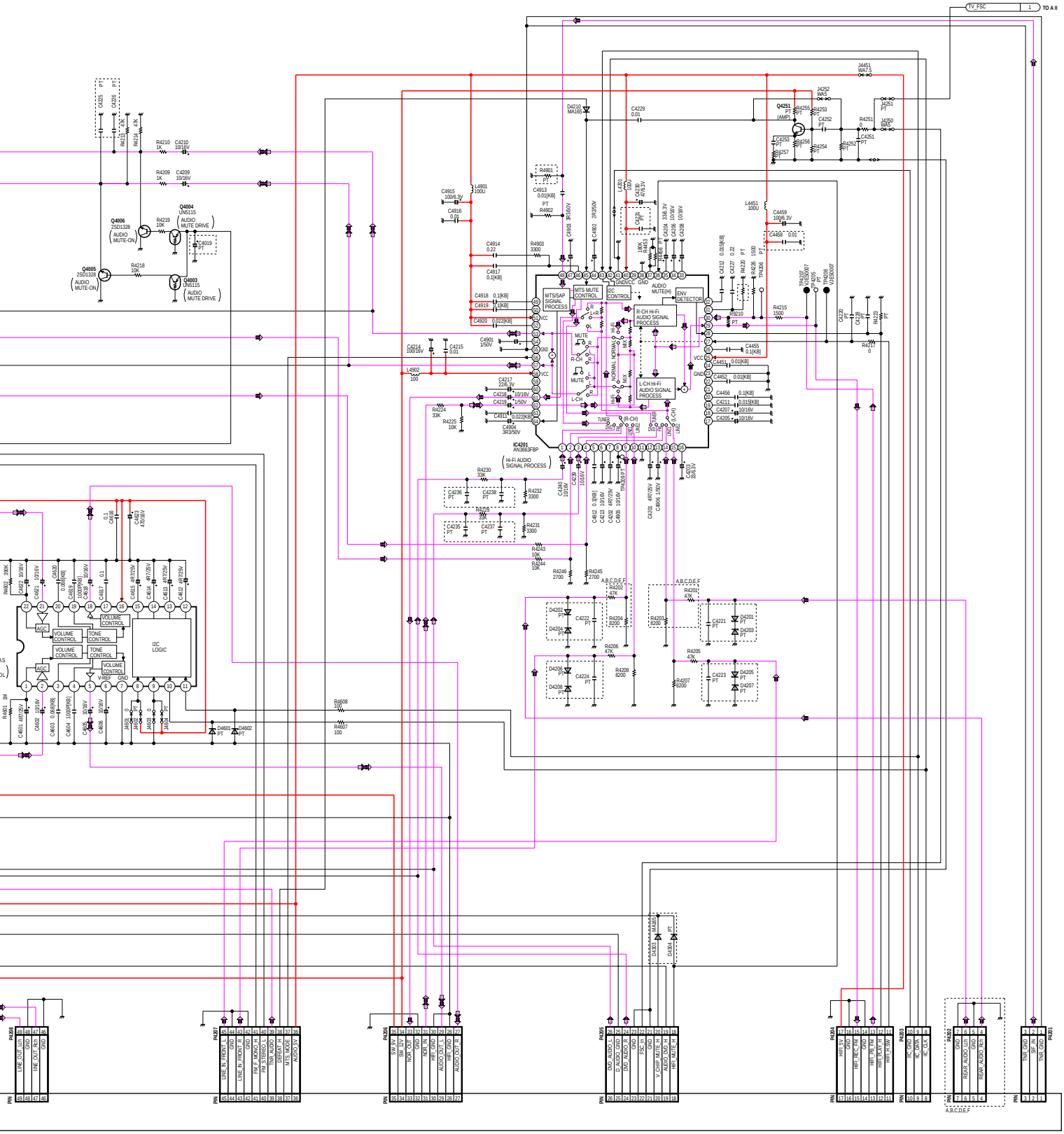
MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



LINK TO VOLTAGE CHART

NOTE:
ES, PARTS MARKED "PT" ARE NOT USED.

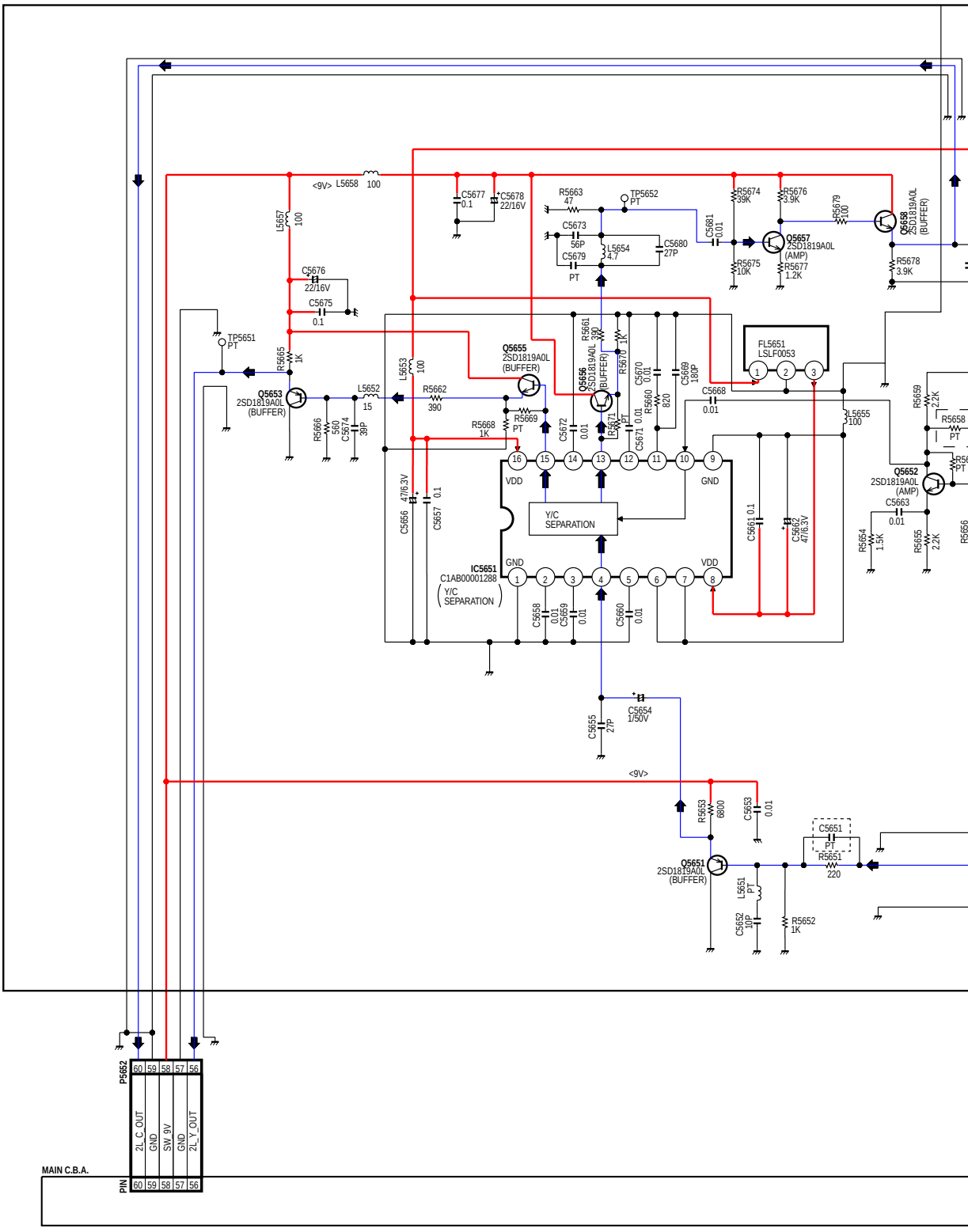
NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.



LSJB2076
AUDIO I SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

AUDIO II SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



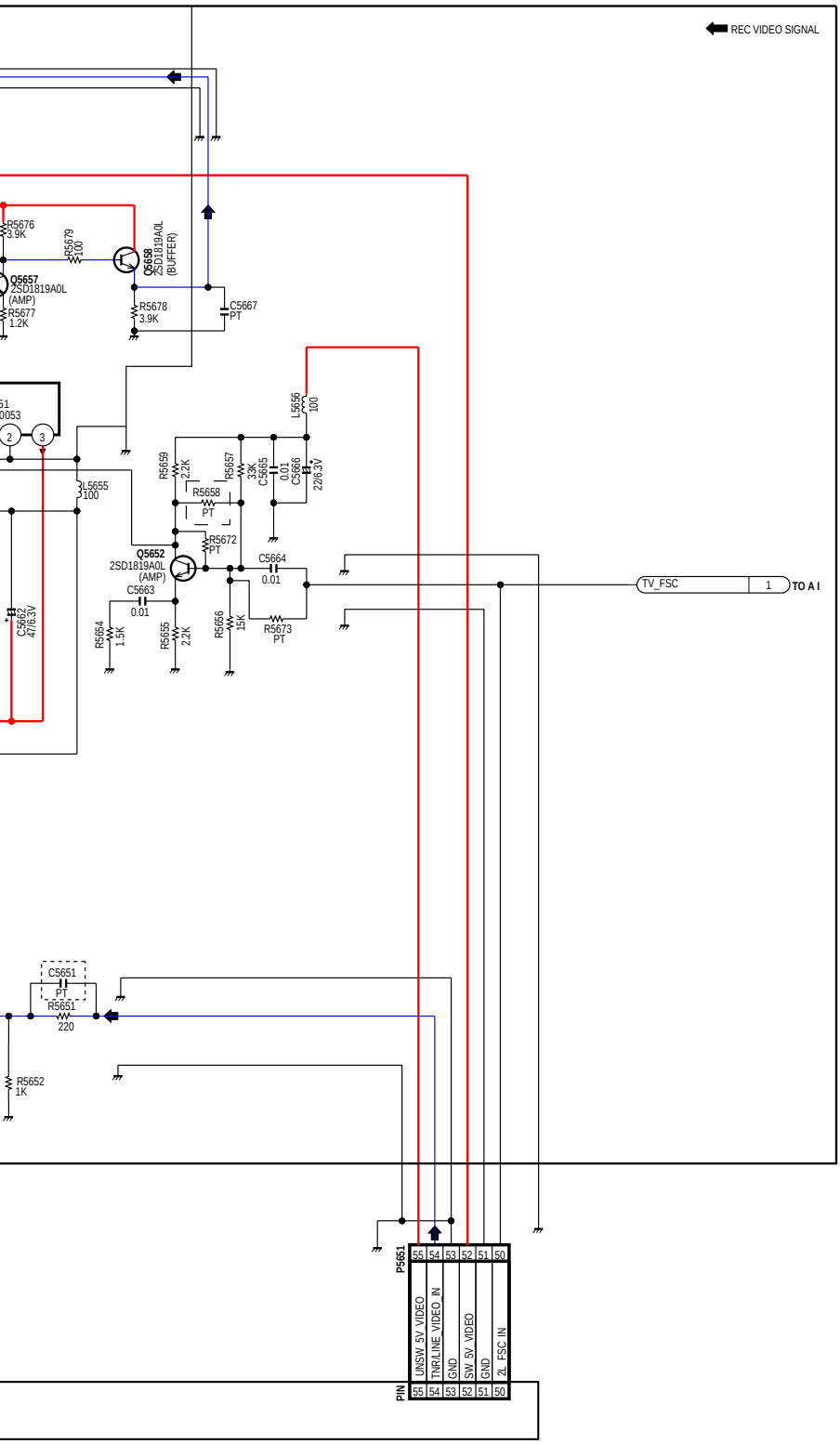
SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



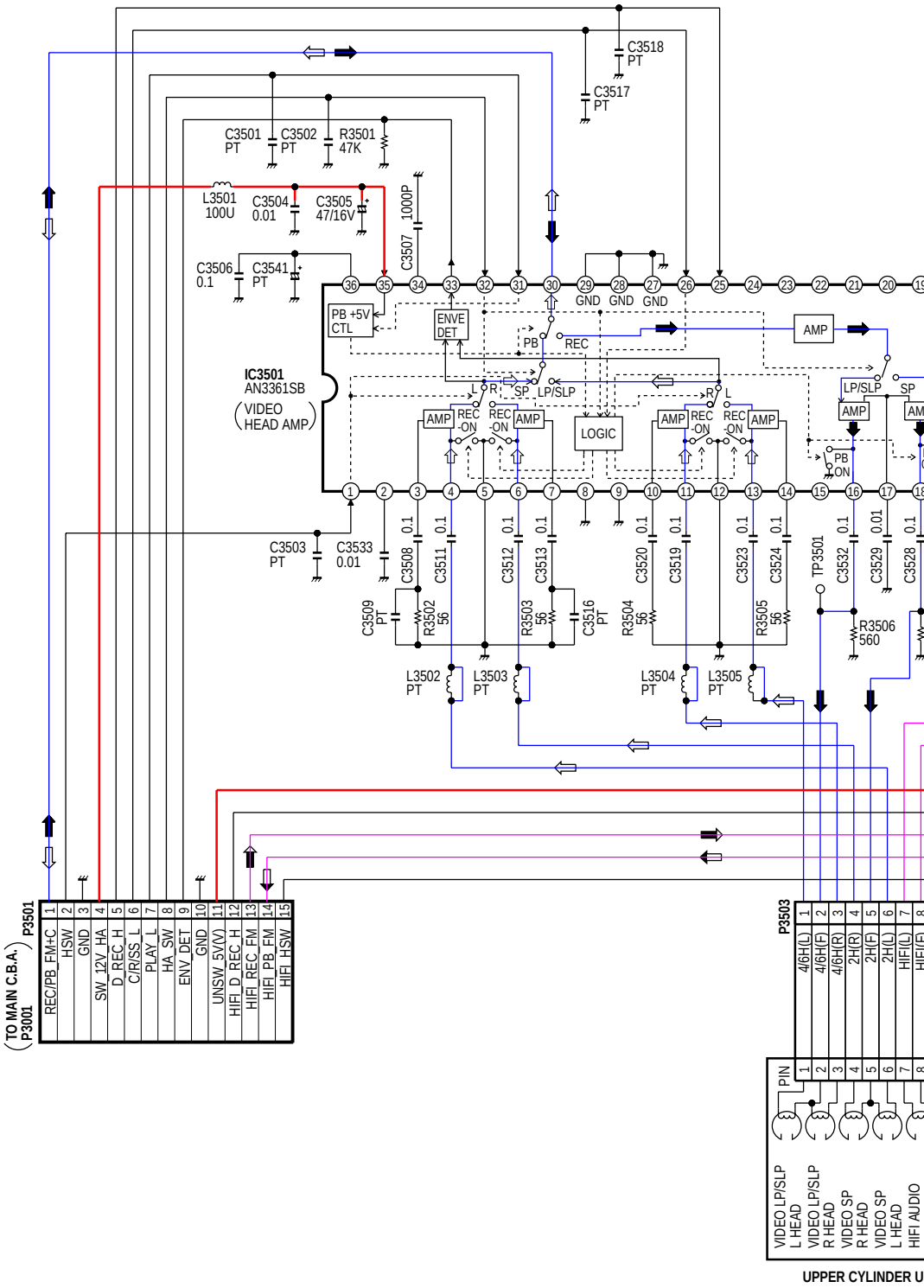
LINK TO VOLTAGE CHART

LSJB2076
AUDIO I SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

8.4. HI-FI AUDIO/VIDEO HEAD AMP SCHEMATIC DIAGRAM

Hi-Fi AUDIO/VIDEO HEAD AMP SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

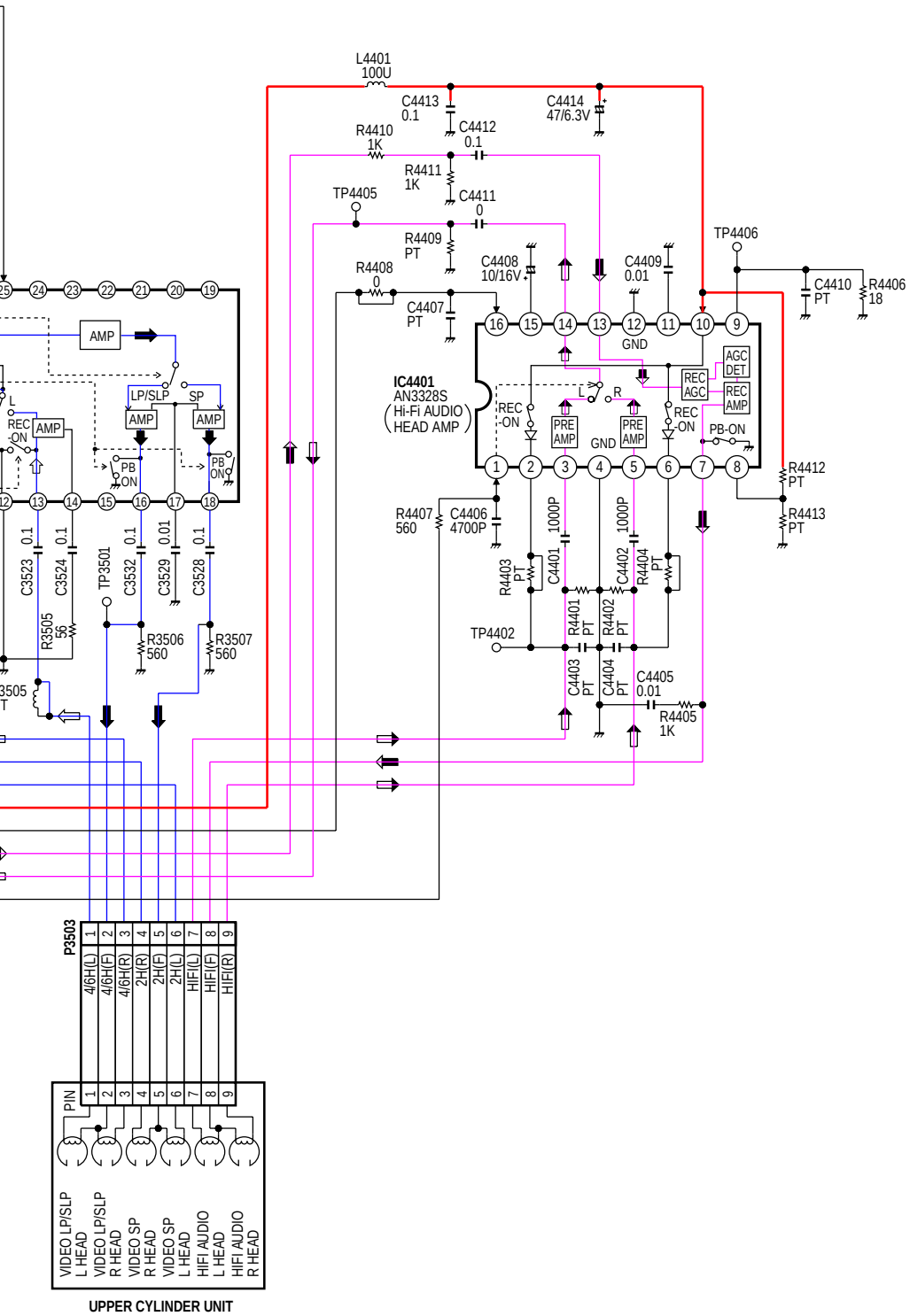
NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

REC VIDEO SIGNAL
REC AUDIO SIGNAL
PB VIDEO SIGNAL
PB AUDIO SIGNAL



UPPER CYLINDER UNIT

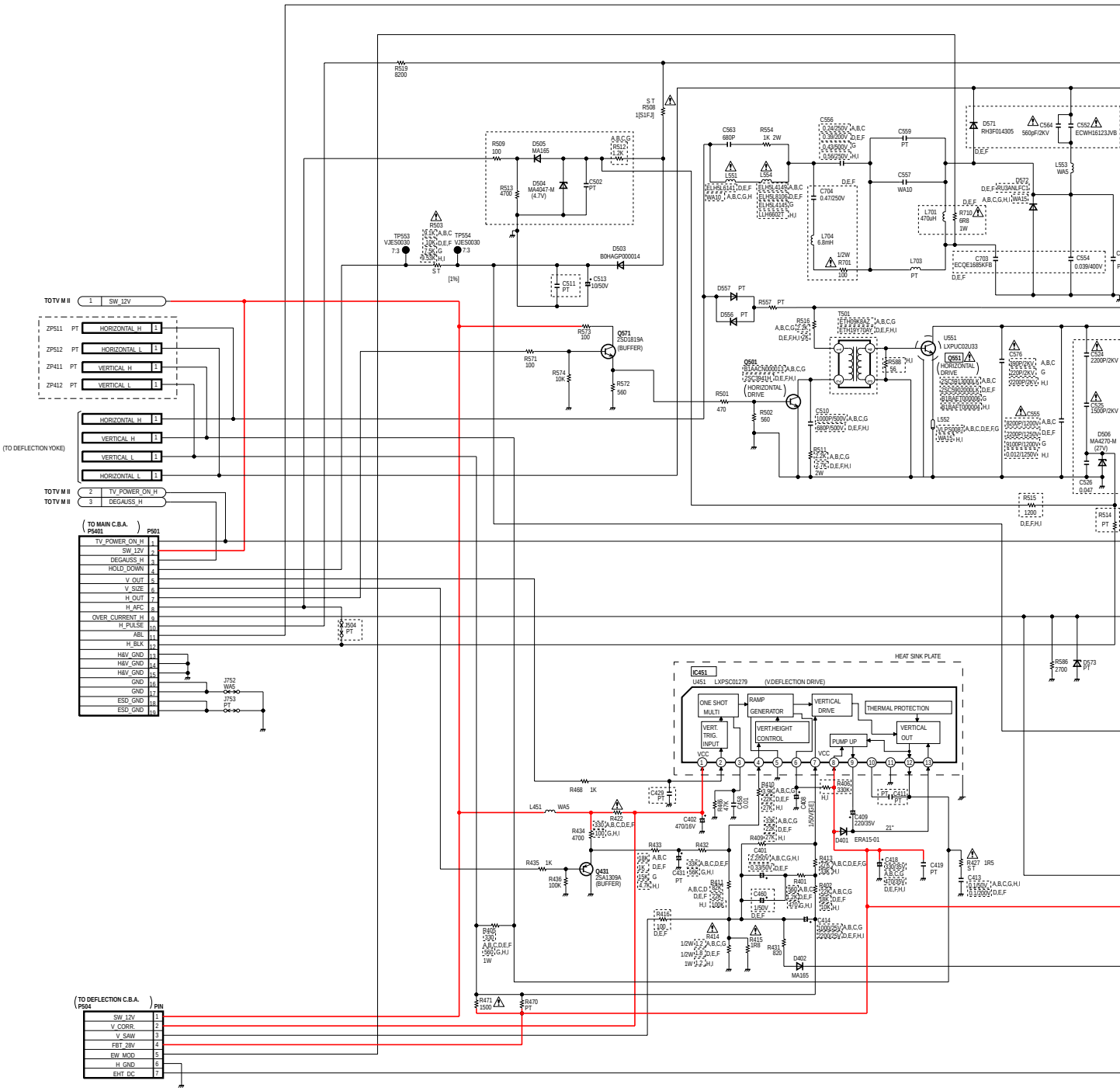
LINK TO VOLTAGE CHART

LSJB2010
Hi-Fi AUDIO/VIDEO HEAD AMP SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

8.5. TV MAIN SCHEMATIC DIAGRAMS

TV MAIN I SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

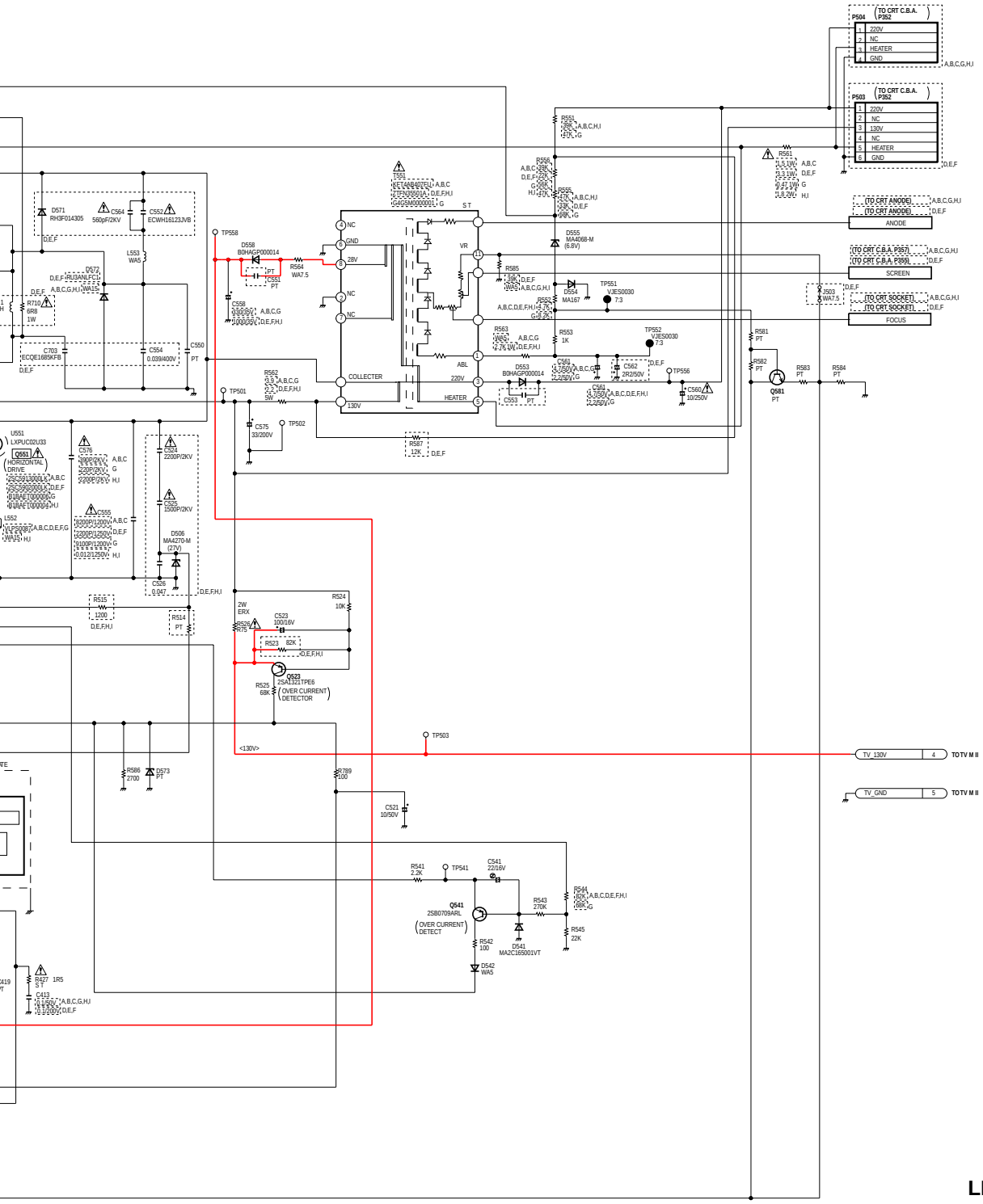
NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



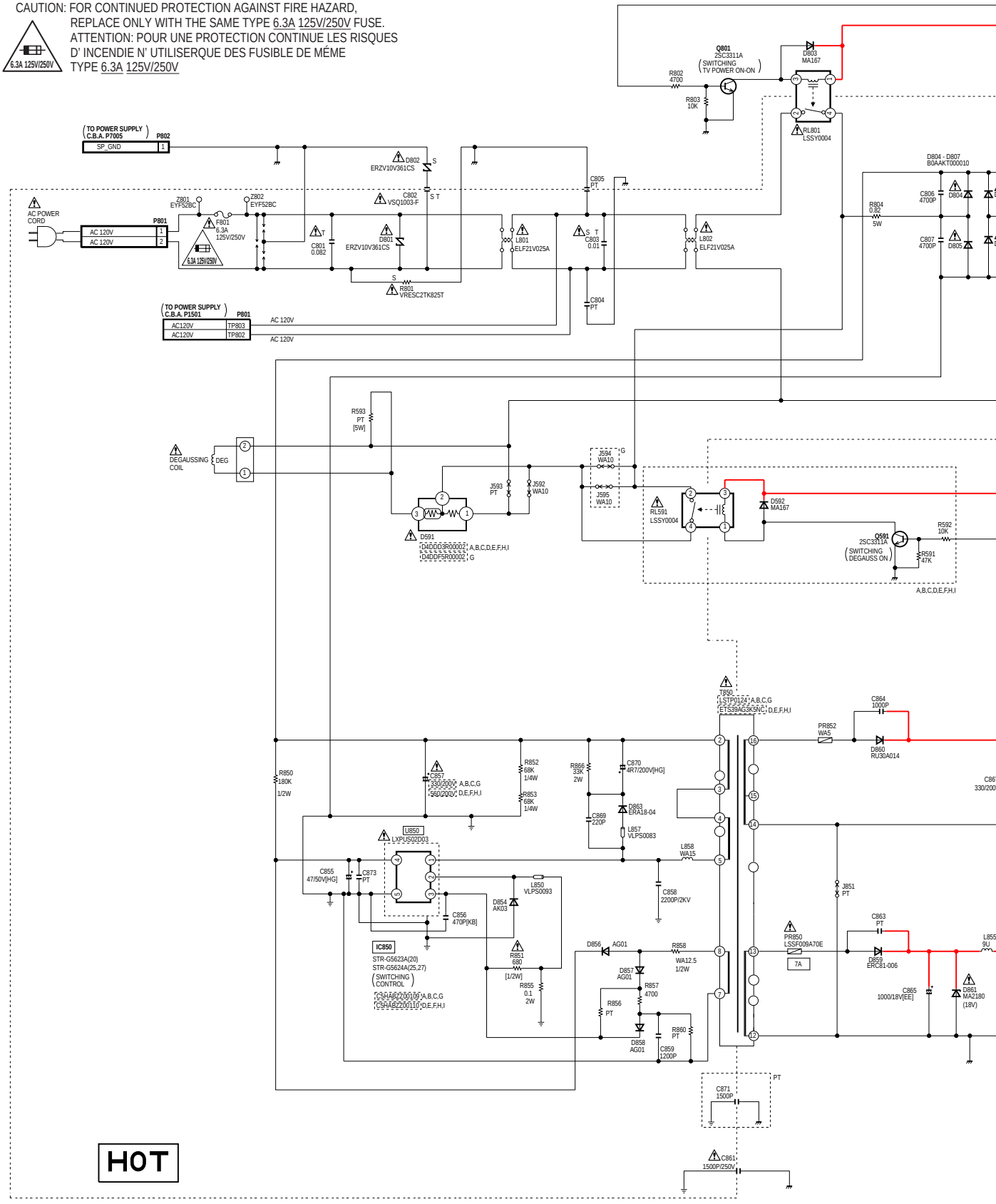
LINK TO VOLTAGE CHART

LSJB2074
TV MAIN I SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

TV MAIN II SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 6.3A 125V/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME
TYPE 6.3A 125V/250V



HOT

HOT CIRCUIT. BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING.

SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

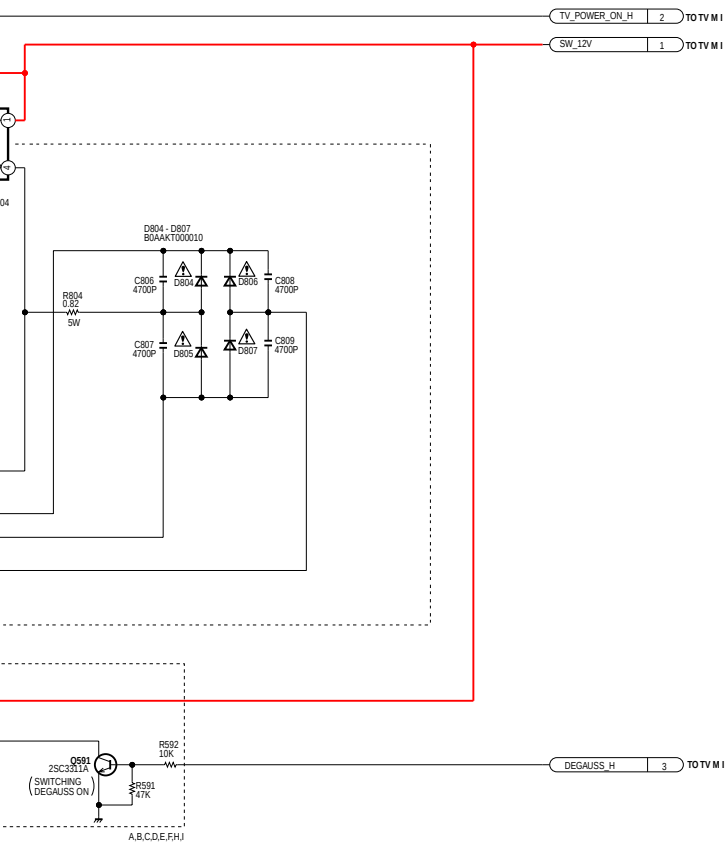
NOTE:
PARTS MARKED "PT" ARE NOT USED.

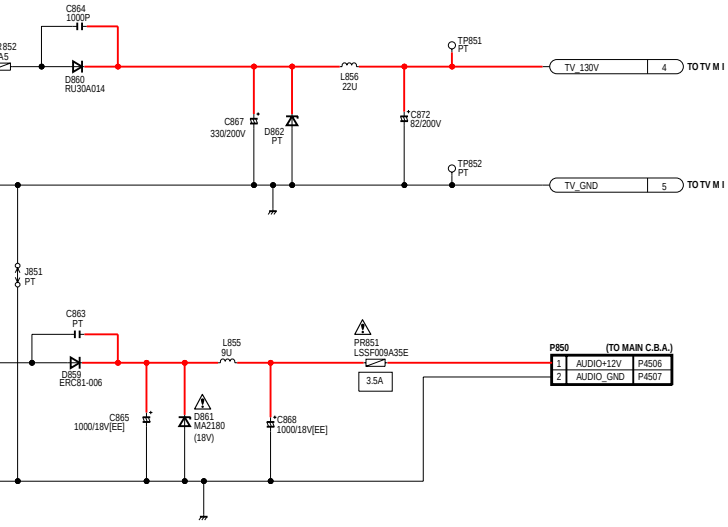
NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

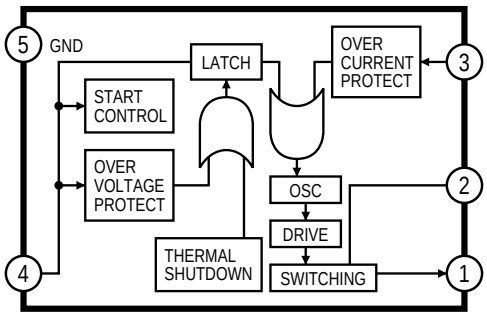
COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT





IC850
SWITCHING CONTROL
IC- DETAIL BLOCK DIAGRAM



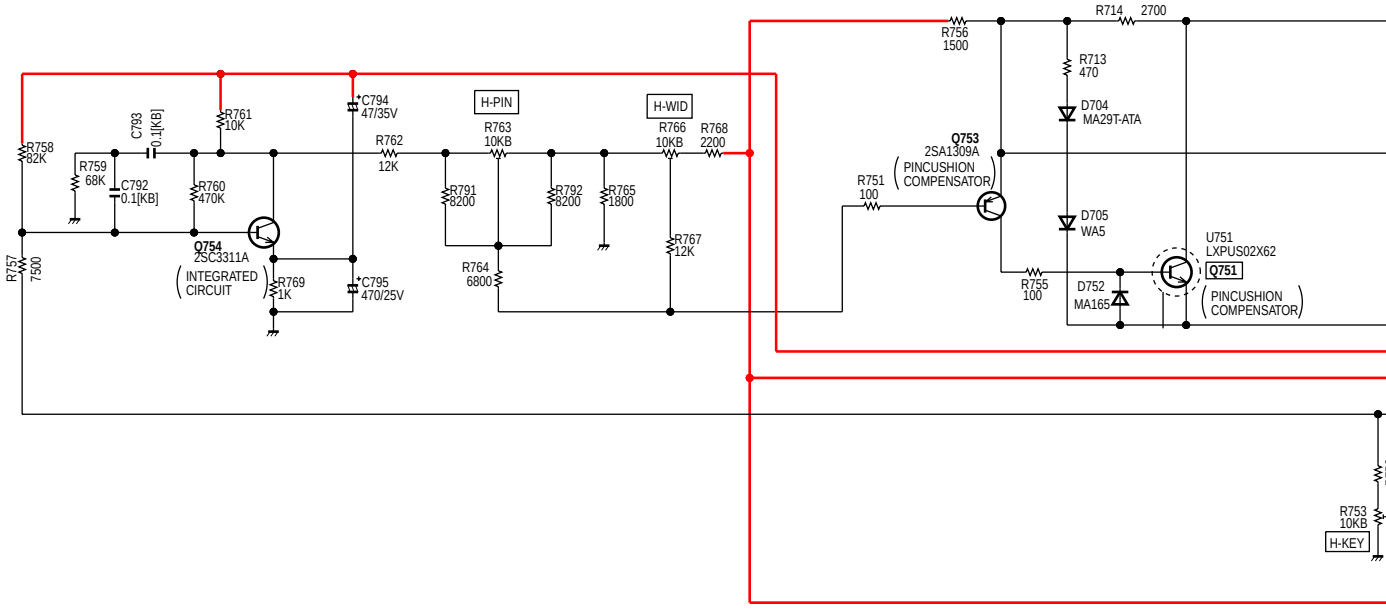
LINK TO VOLTAGE CHART

LSJB2074
TV MAIN II SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

8.6. DEFLECTION SCHEMATIC DIAGRAM

DEFLECTION SCHEMATIC DIAGRAM (F)

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



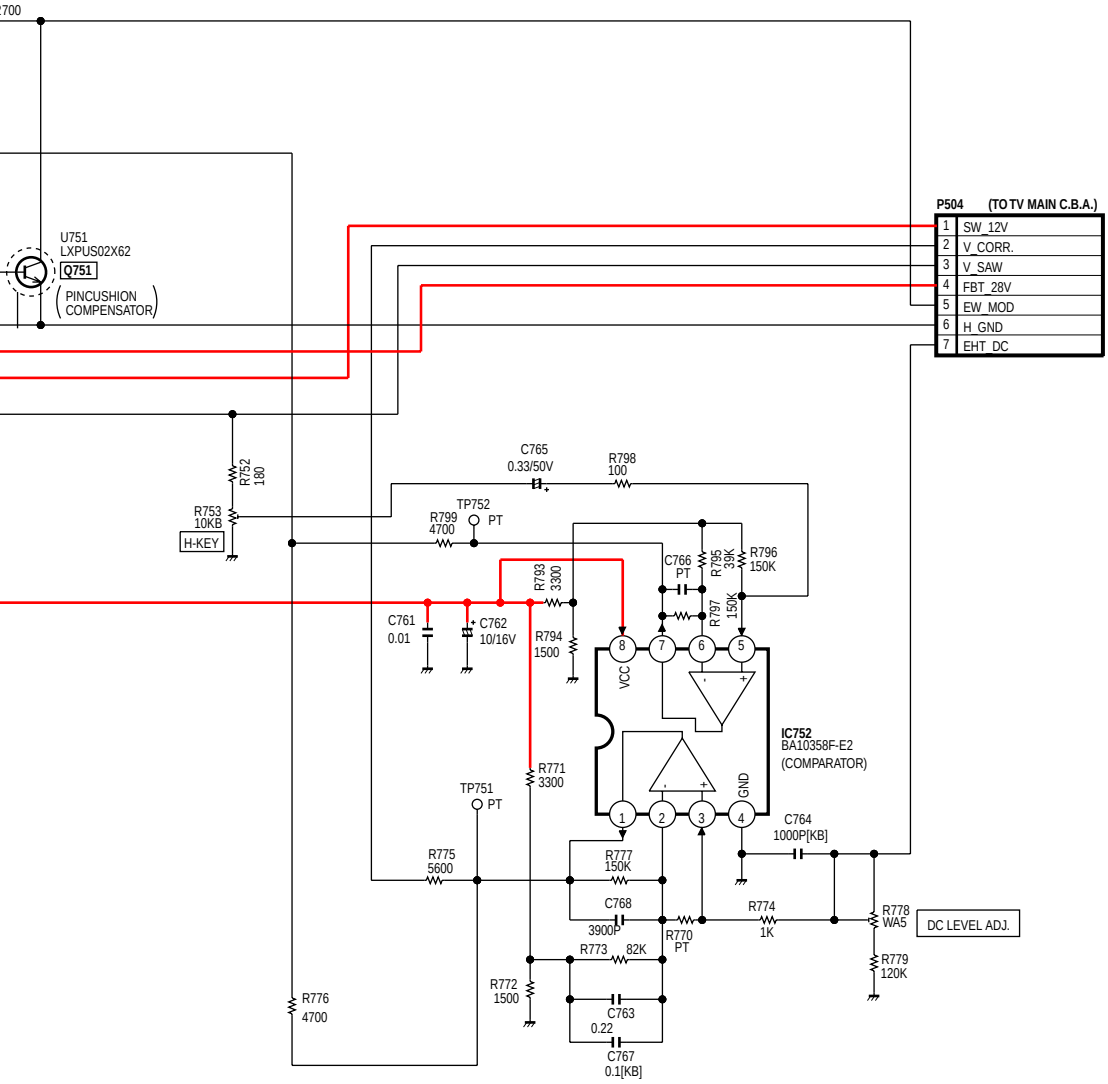
SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



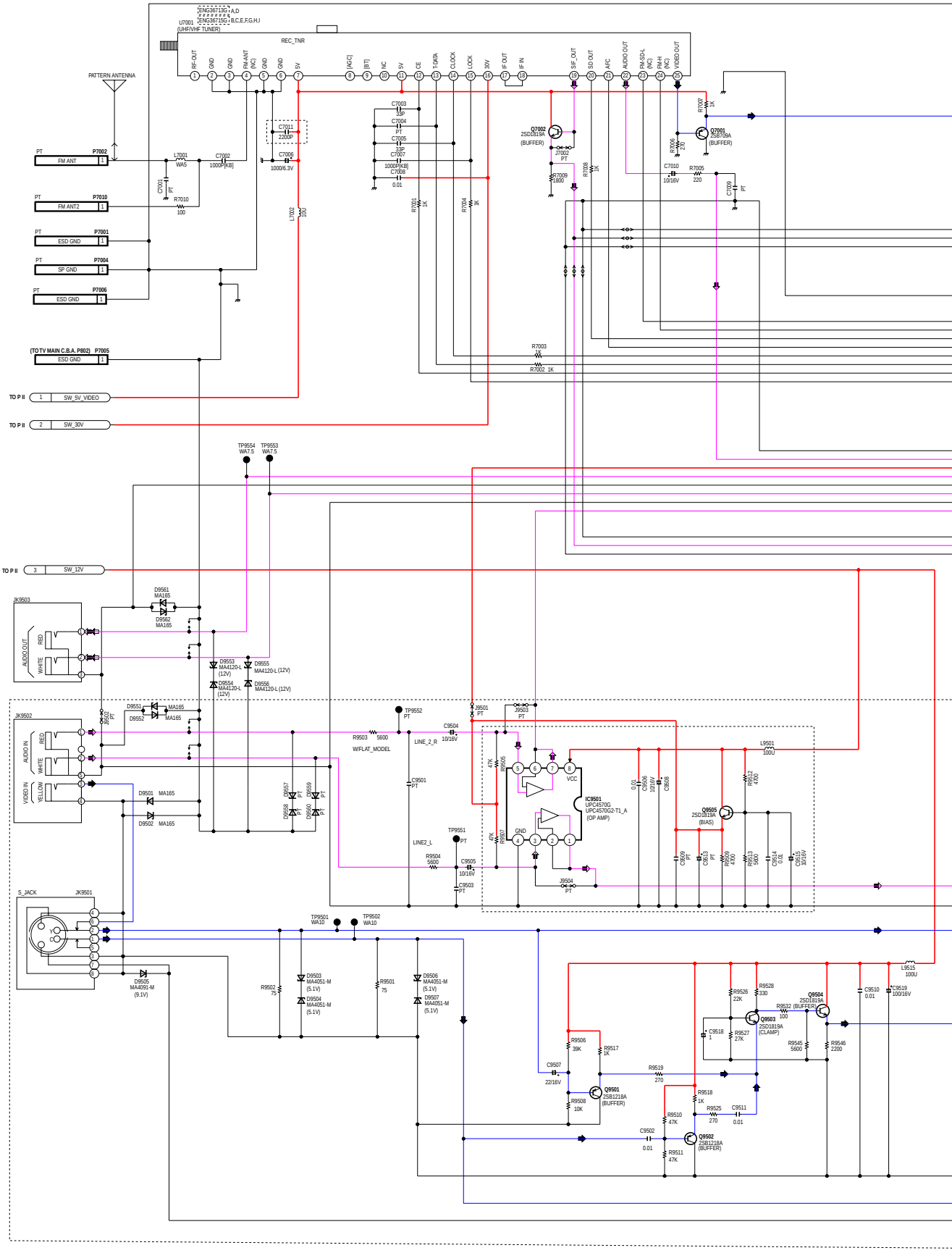
LINK TO VOLTAGE CHART

LSJB2075
DEFLECTION SCHEMATIC DIAGRAM
PV-DF2703-K

8.7. POWER SUPPLY SCHEMATIC DIAGRAMS

POWER SUPPLY I SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



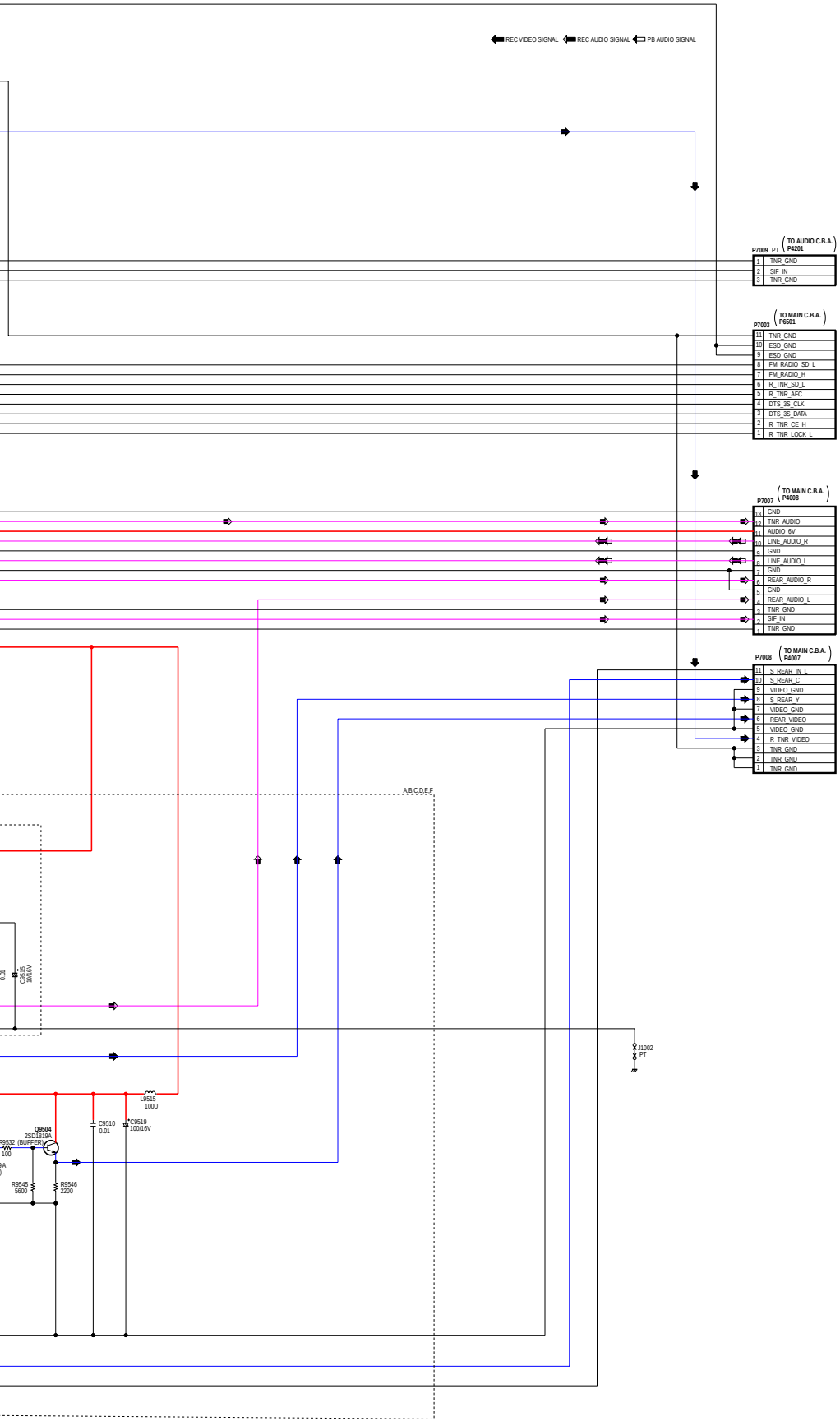
SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



LINK TO VOLTAGE CHART

LSJB2078

POWER SUPPLY I SCHEMATIC DIAGRAM

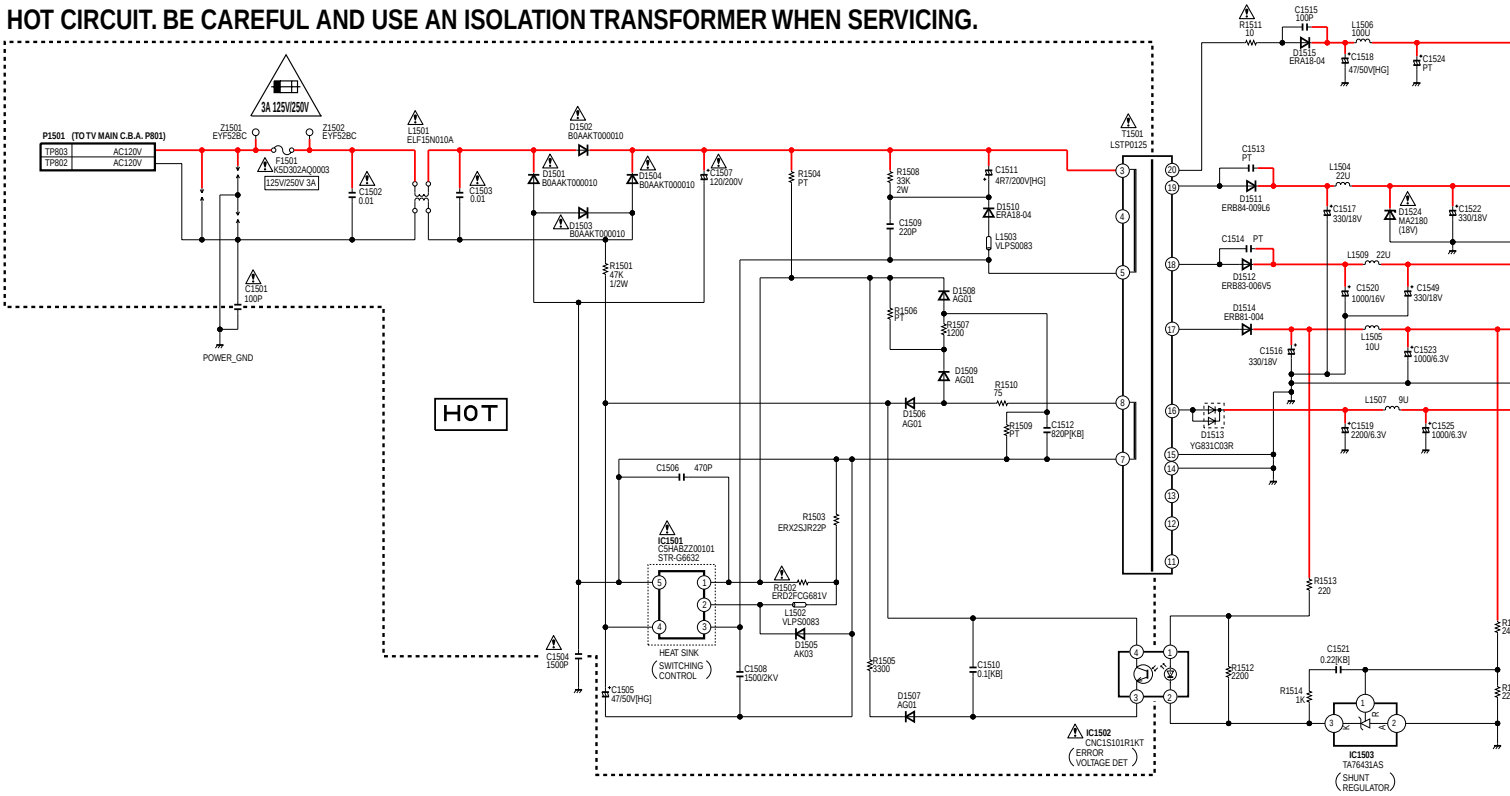
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

POWER SUPPLY II SCHEMATIC DIAGRAM

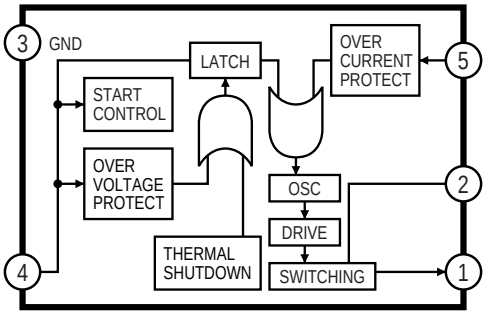
NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC

CAUTION: FOR CONT
REPLACE
ATTENTIO
D' INCEND
TYPE 3A 1

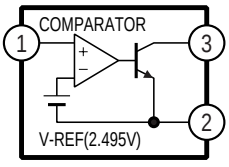
HOT CIRCUIT. BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING.



IC1501
SWITCHING CONTROL
IC- DETAIL BLOCK DIAGRAM



IC1503
SHUNT REGULATOR
IC- DETAIL BLOCK DIAGRAM



SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

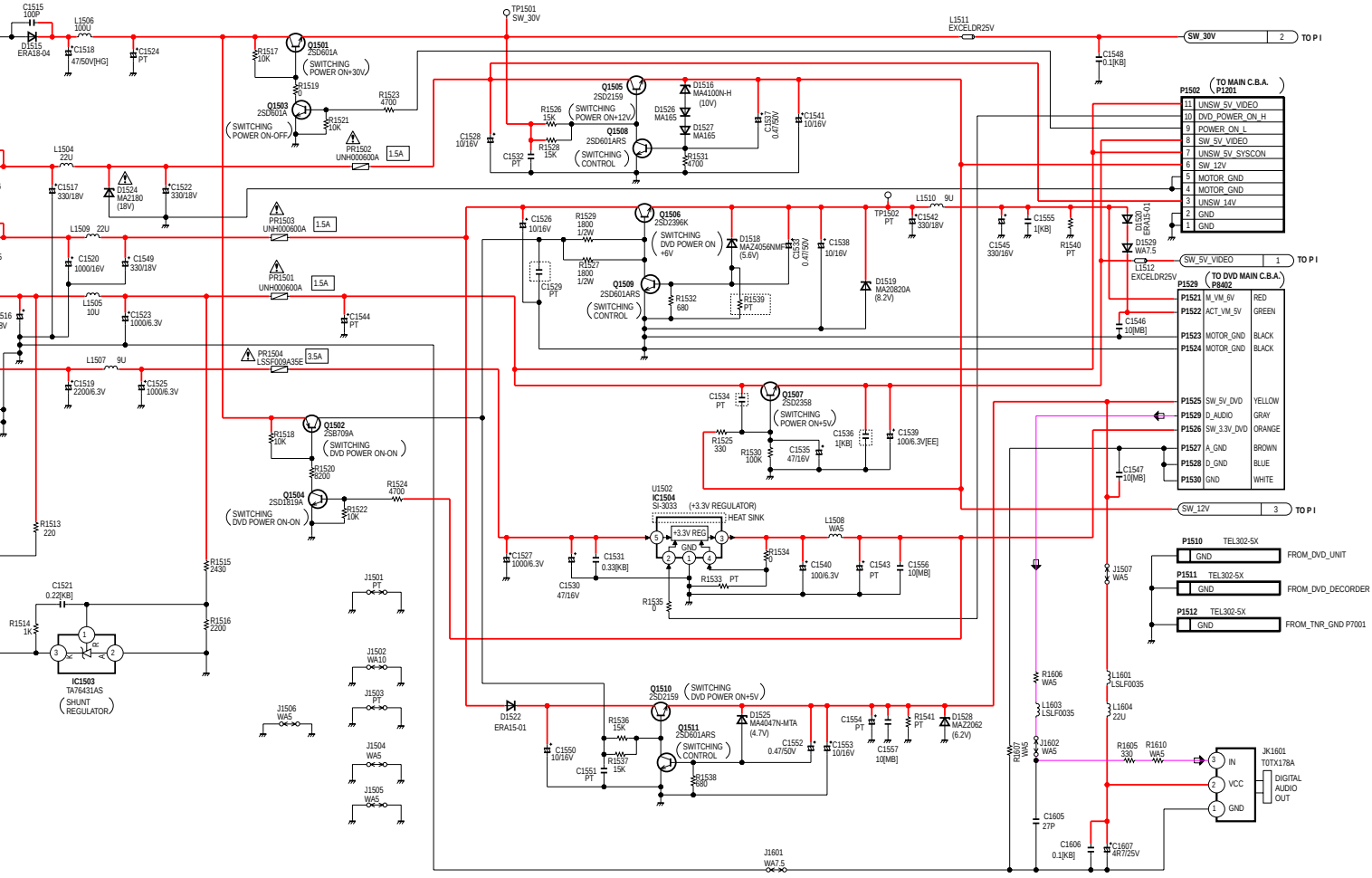
NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 3A 125V/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME
TYPE 3A 125V/250V

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.



LINK TO VOLTAGE CHART

LSJB2078

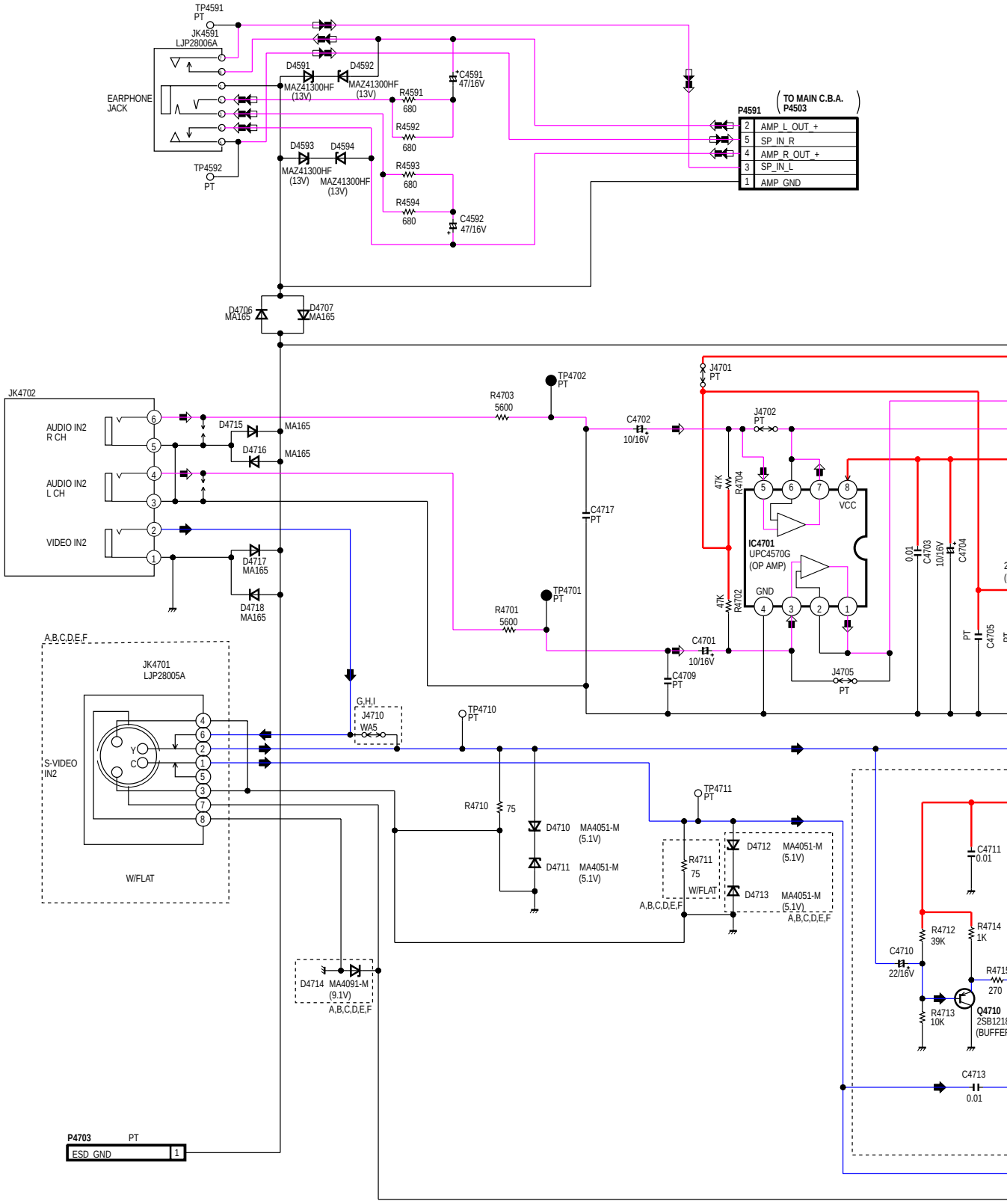
POWER SUPPLY II SCHEMATIC DIAGRAM

PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

8.8. OPERATION SCHEMATIC DIAGRAM

OPERATION SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



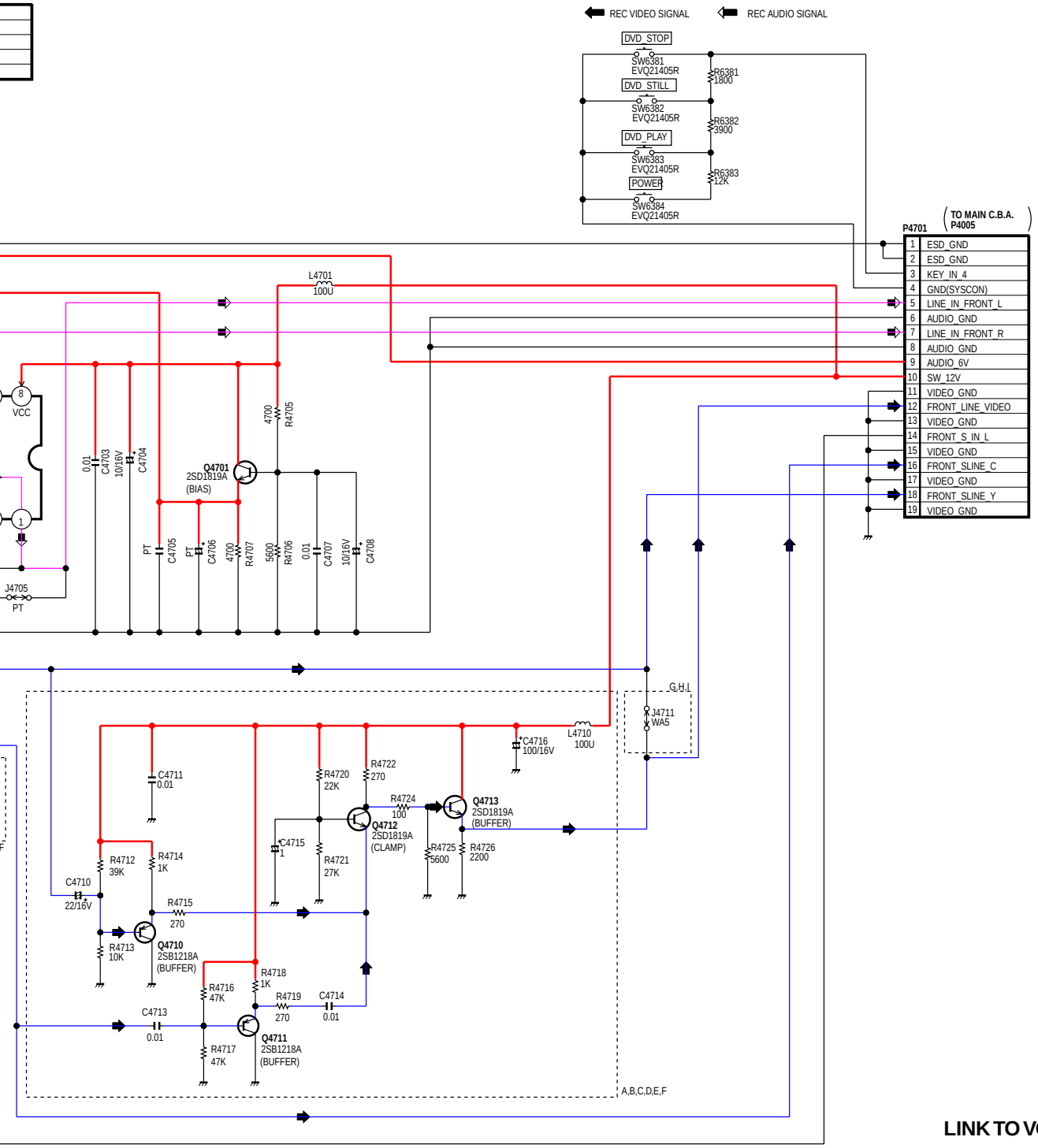
SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



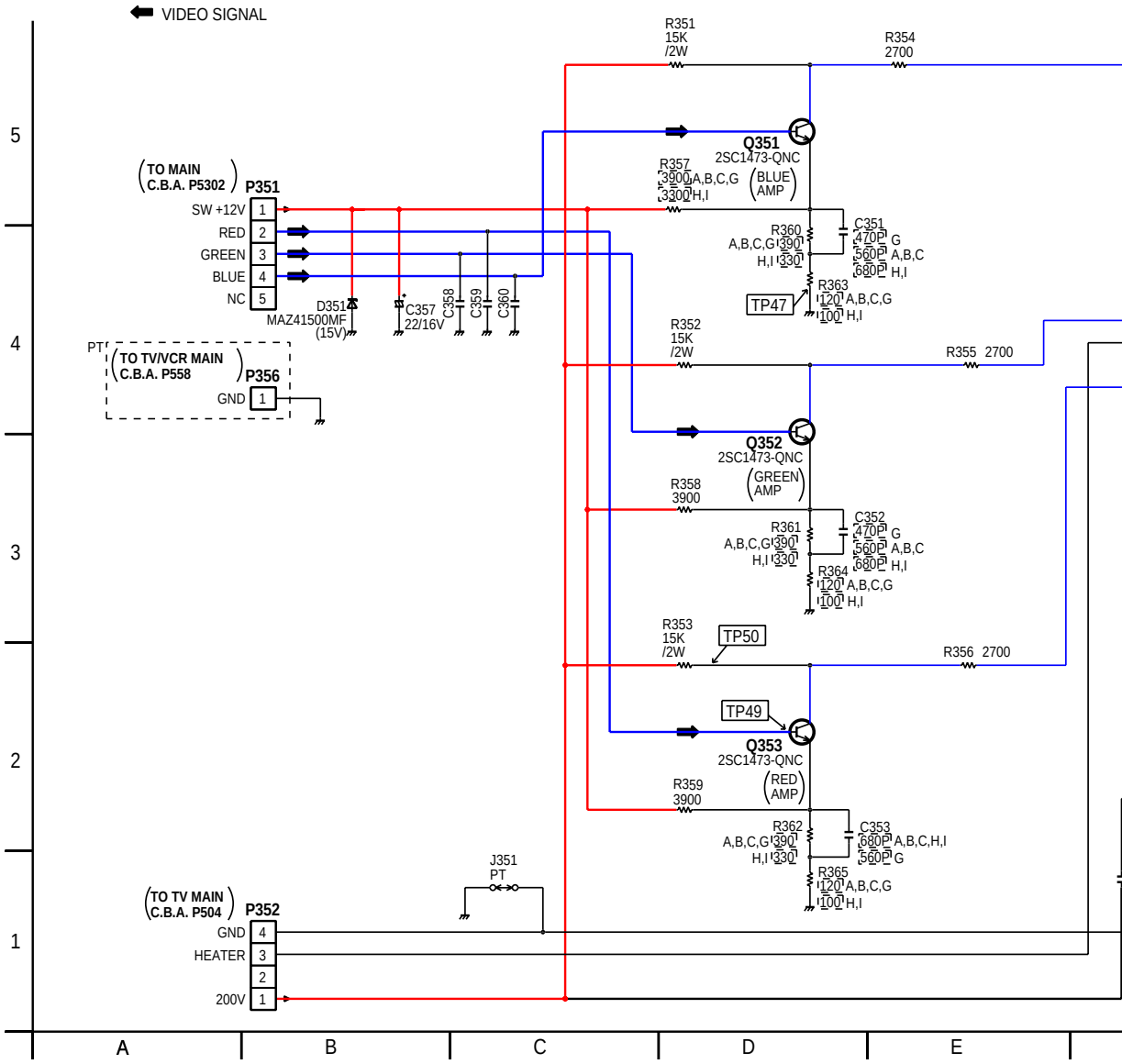
LINK TO VOLTAGE CHART

LSJB2077
OPERATION SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

8.9. CRT SCHEMATIC DIAGRAM (Models:PV-DF2003-K/PV-DM2793-K)

CRT SCHEMATIC DIAGRAM (C, I)

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



K)

SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

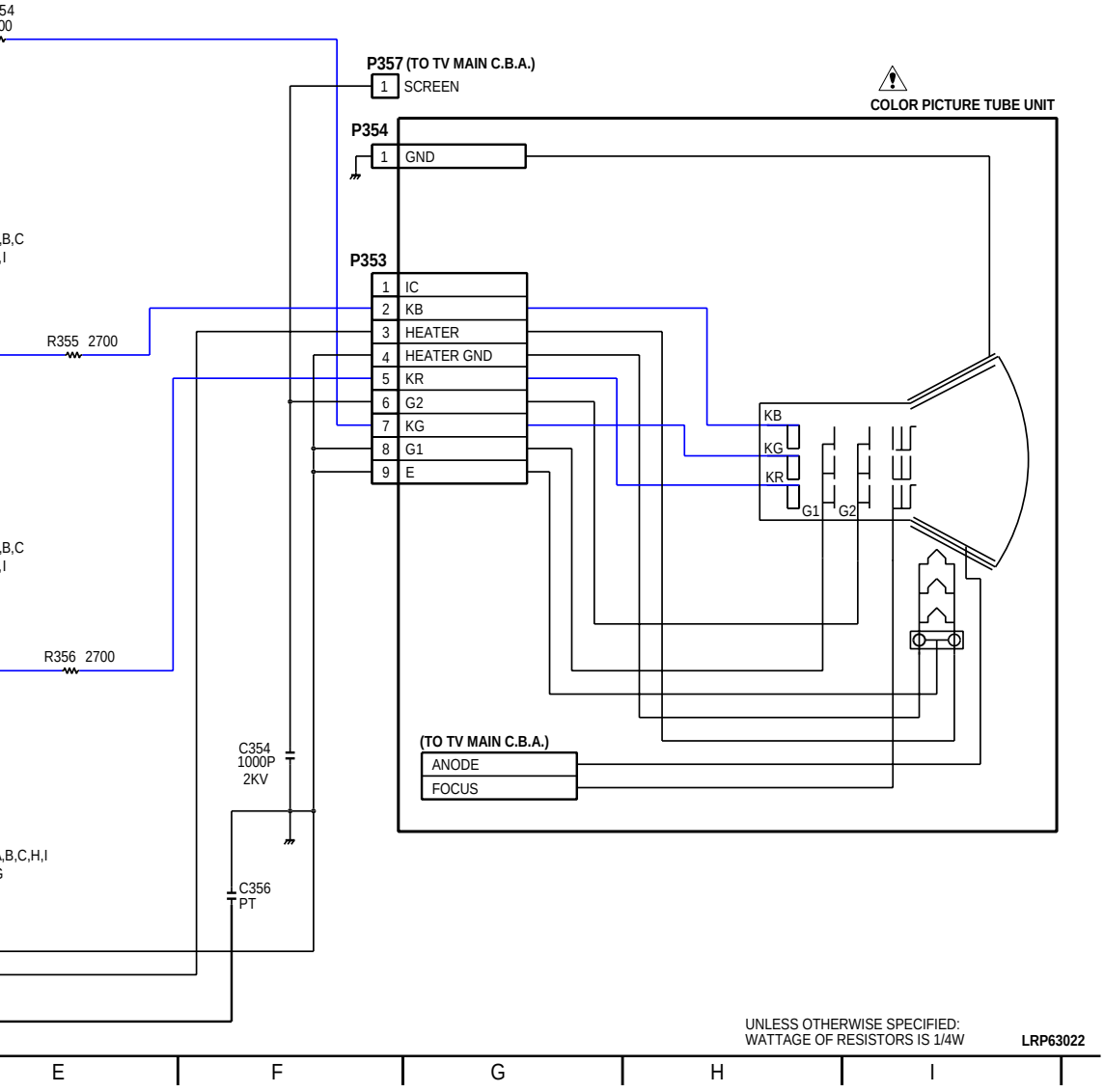
NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



UNLESS OTHERWISE SPECIFIED:
WATTAGE OF RESISTORS IS 1/4W

LRP63022

E F G H I

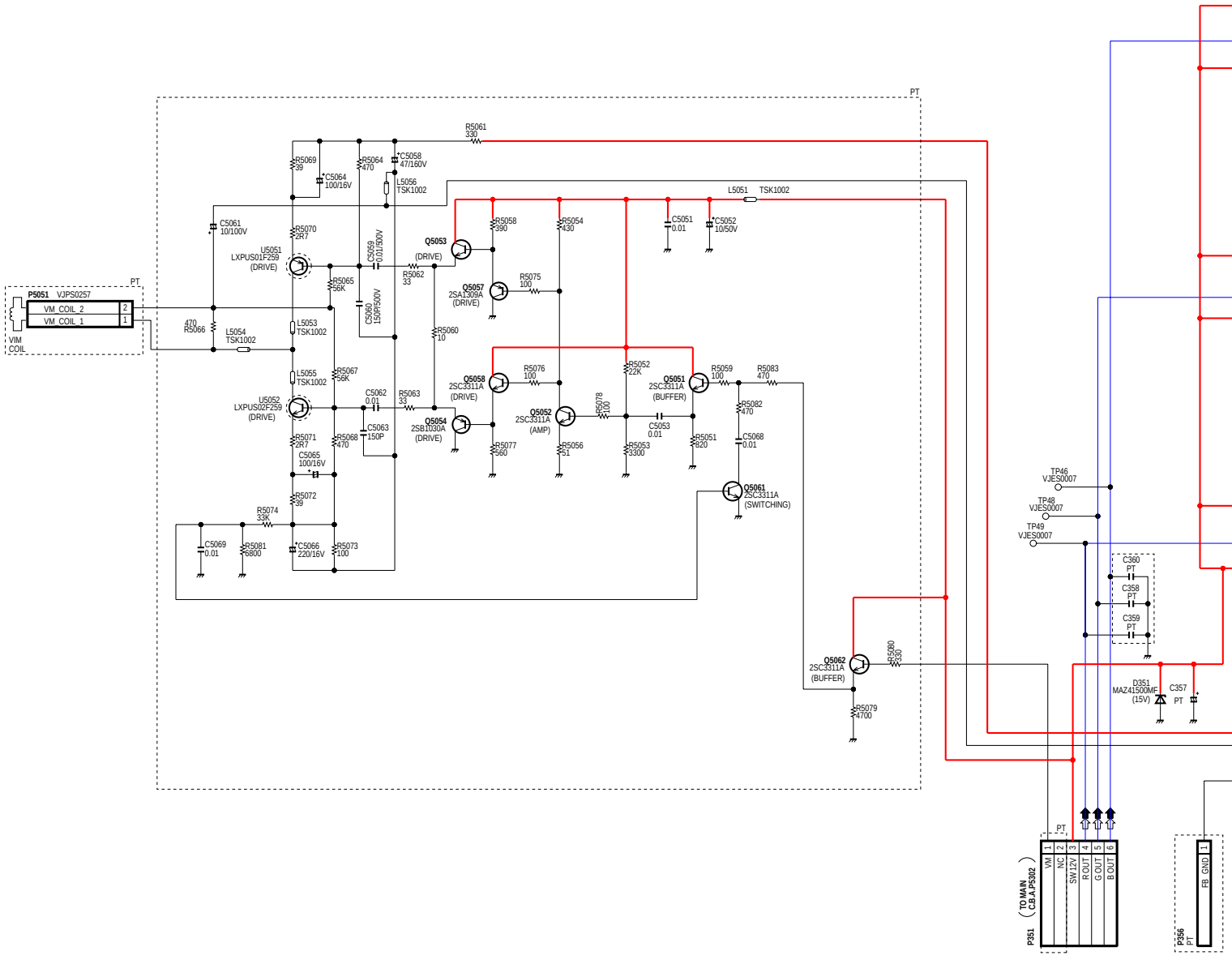
LINK TO VOLTAGE CHART

LRP63022
CRT SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DM2793-K

8.10. CRT SCHEMATIC DIAGRAM (Model:PV-DF2703-K)

CRT SCHEMATIC DIAGRAM (F)

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

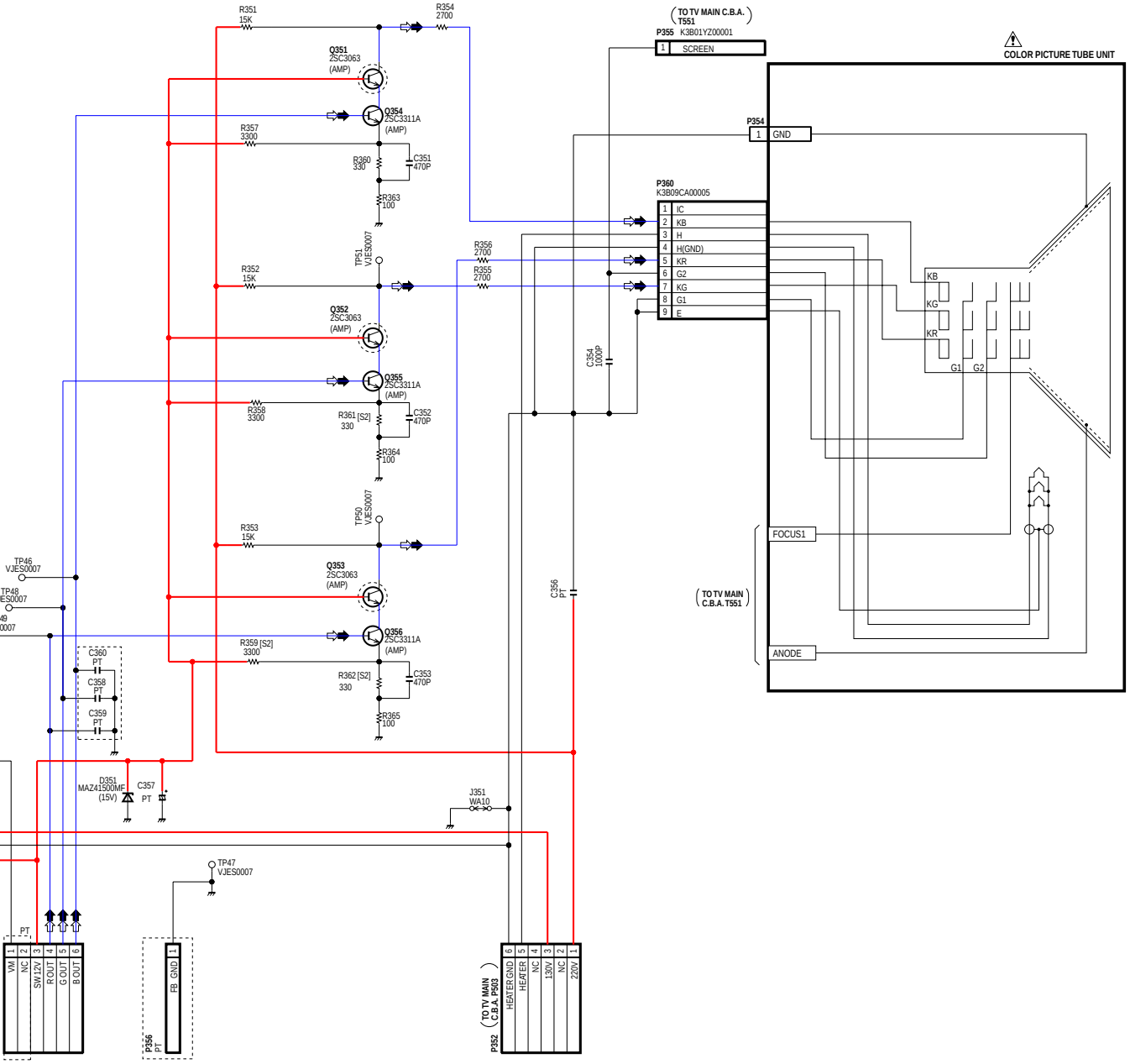
NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

REC VIDEO SIGNAL PB VIDEO SIGNAL



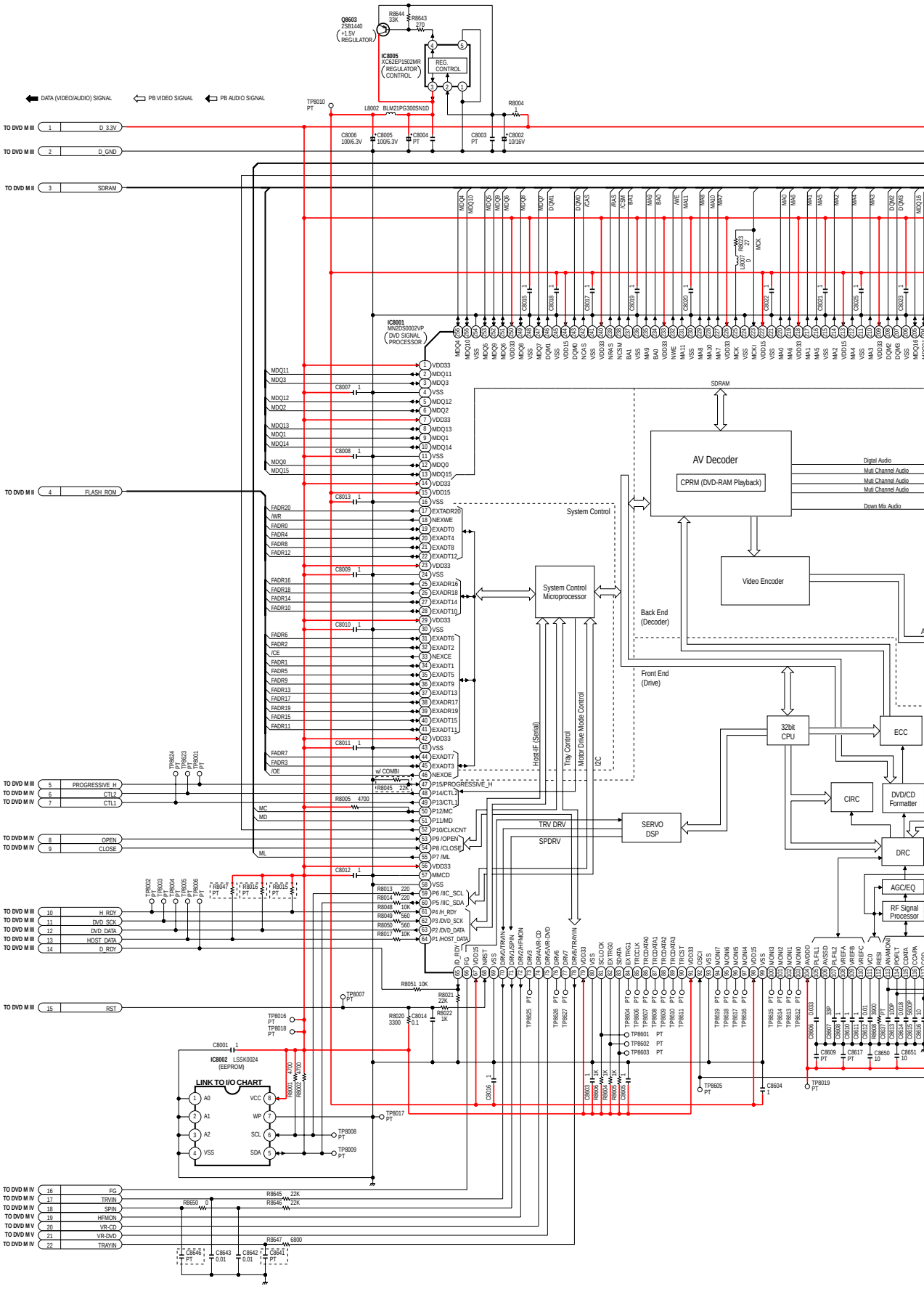
LINK TO VOLTAGE CHART

LSJB2079
CRT SCHEMATIC DIAGRAM
PV-DF2703-K

8.11. DVD MAIN SCHEMATIC DIAGRAMS

DVD MAIN I SCHEMATIC DIAGRAM

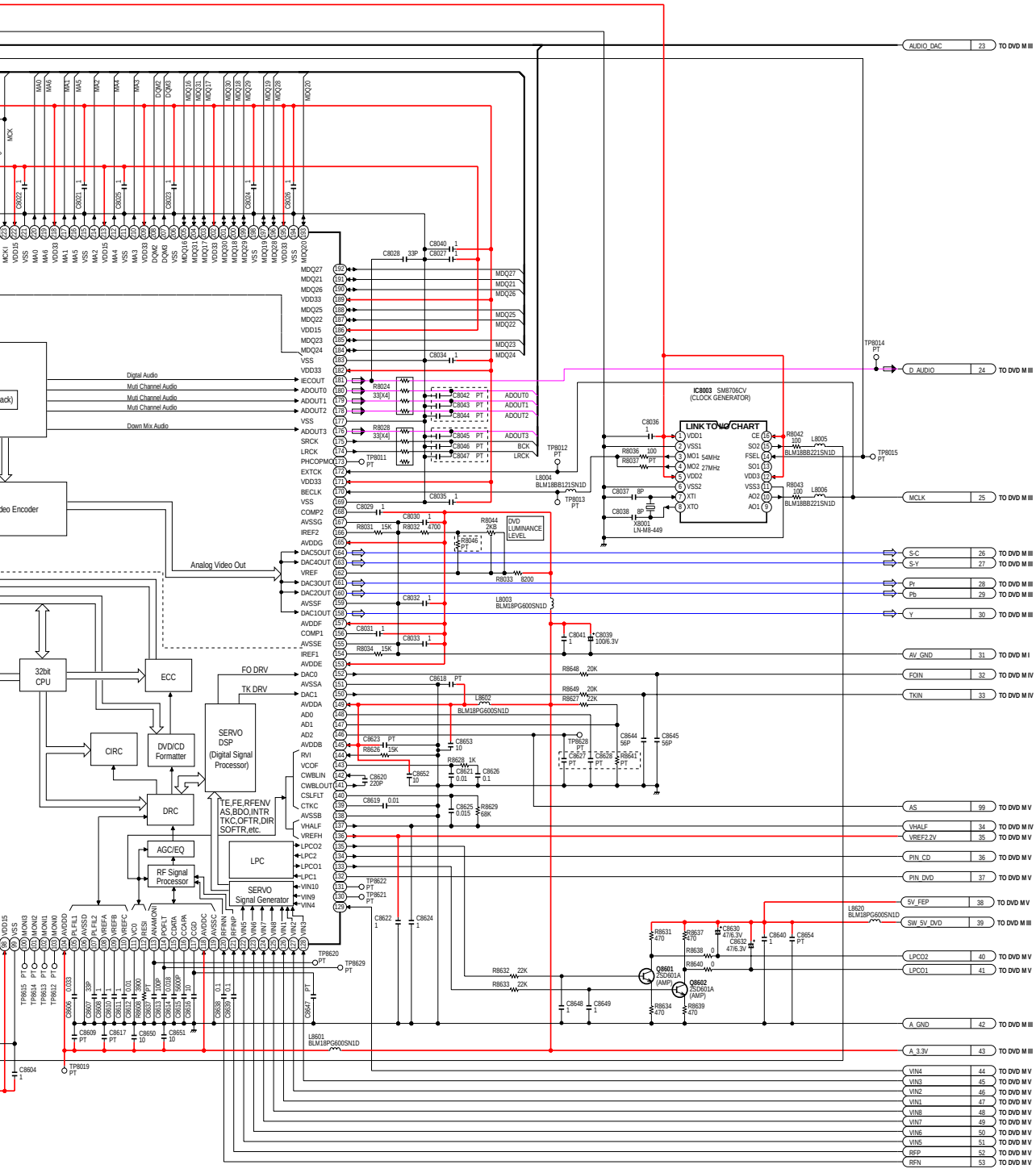
NOTE:
PARTS MARKED "PT" ARE NOT USED.



RKED "PT" ARE NOT USED.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

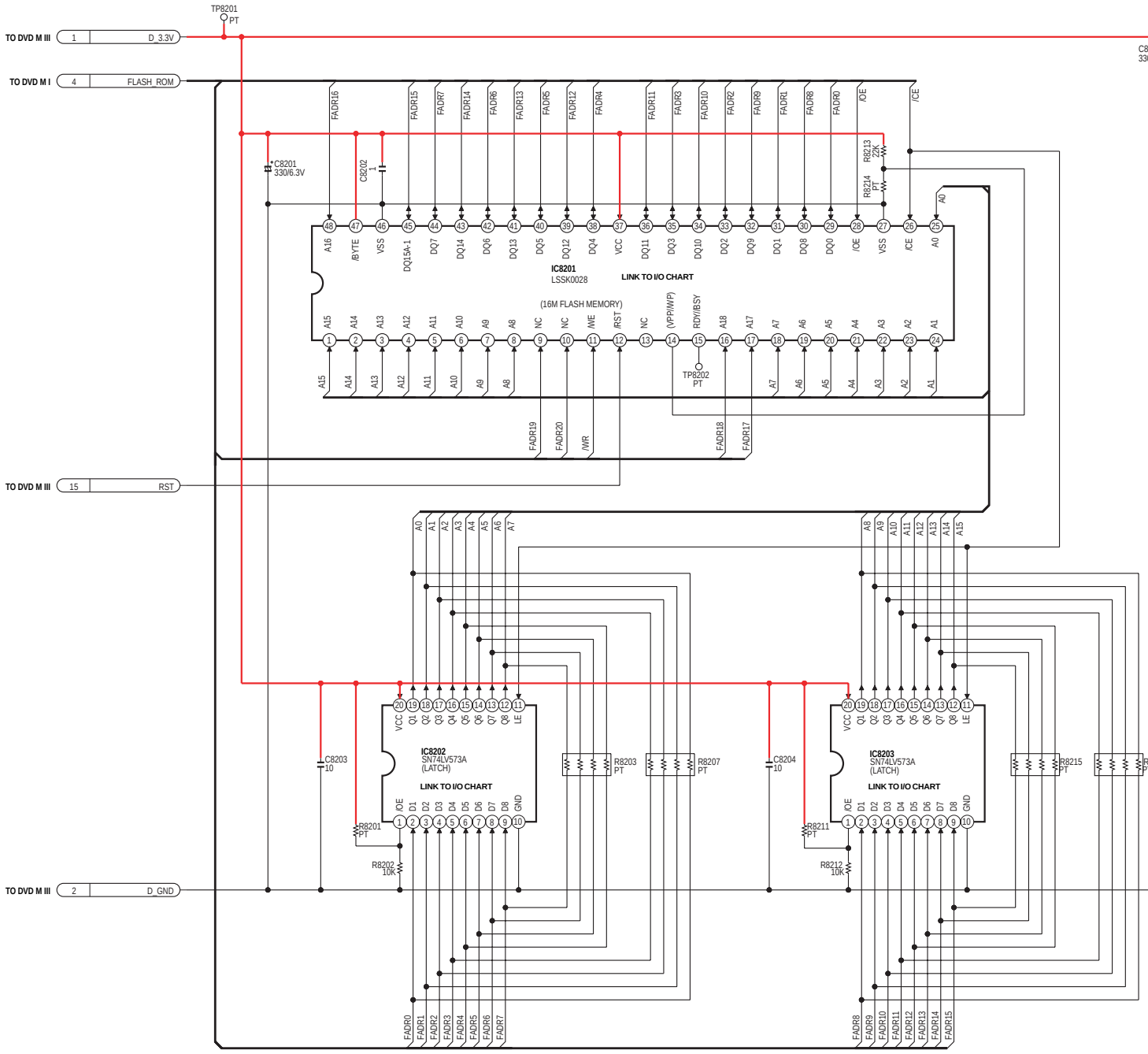
NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.


AUDIO_DAC 23 TO DVD M III
D_AUDIO 24 TO DVD M III
MCLK 25 TO DVD M III
S-C 26 TO DVD M III
S-Y 27 TO DVD M III
Pr 28 TO DVD M III
Pb 29 TO DVD M III
Y 30 TO DVD M III
AV_GND 31 TO DVD M I
FOIN 32 TO DVD M IV
TKIN 33 TO DVD M IV
AS 99 TO DVD M V
VHALF 34 TO DVD M IV
VREF2.2V 35 TO DVD M V
PIN_CD 36 TO DVD M V
PIN_DVD 37 TO DVD M V
5V_FEP 38 TO DVD M V
SW_5V_DVD 39 TO DVD M III
LPCO2 40 TO DVD M V
LPCO1 41 TO DVD M V
A_GND 42 TO DVD M III
A_3.3V 43 TO DVD M III
VIN4 44 TO DVD M V
VIN3 45 TO DVD M V
VIN2 46 TO DVD M V
VIN1 47 TO DVD M V
VIN8 48 TO DVD M V
VIN7 49 TO DVD M V
VIN6 50 TO DVD M V
VIN5 51 TO DVD M V
RFP 52 TO DVD M V
RFN 53 TO DVD M V
IC8003 SM8706CV (CLOCK GENERATOR)
LINK TO VOLTAGE CHART
Digital Audio
Multi Channel Audio
Multi Channel Audio
Multi Channel Audio
Down Mix Audio
Analog Video Out
32bit CPU
ECC
CIRC
DVD/CD Formatter
DRC
SERVO DSP (Digital Signal Processor)
AGC/EQ
RF Signal Processor
LPC
SERVO Signal Generator
FO DRV
TK DRV
TE,FE,RFENV AS,BDO,INTR TKC,OFTR,DIR SOFTR,etc.
DVD LUMINANCE LEVEL
Q8601 2SD601A (AMP)
Q8602 2SD601A (AMP)

LINK TO VOLTAGE CHART

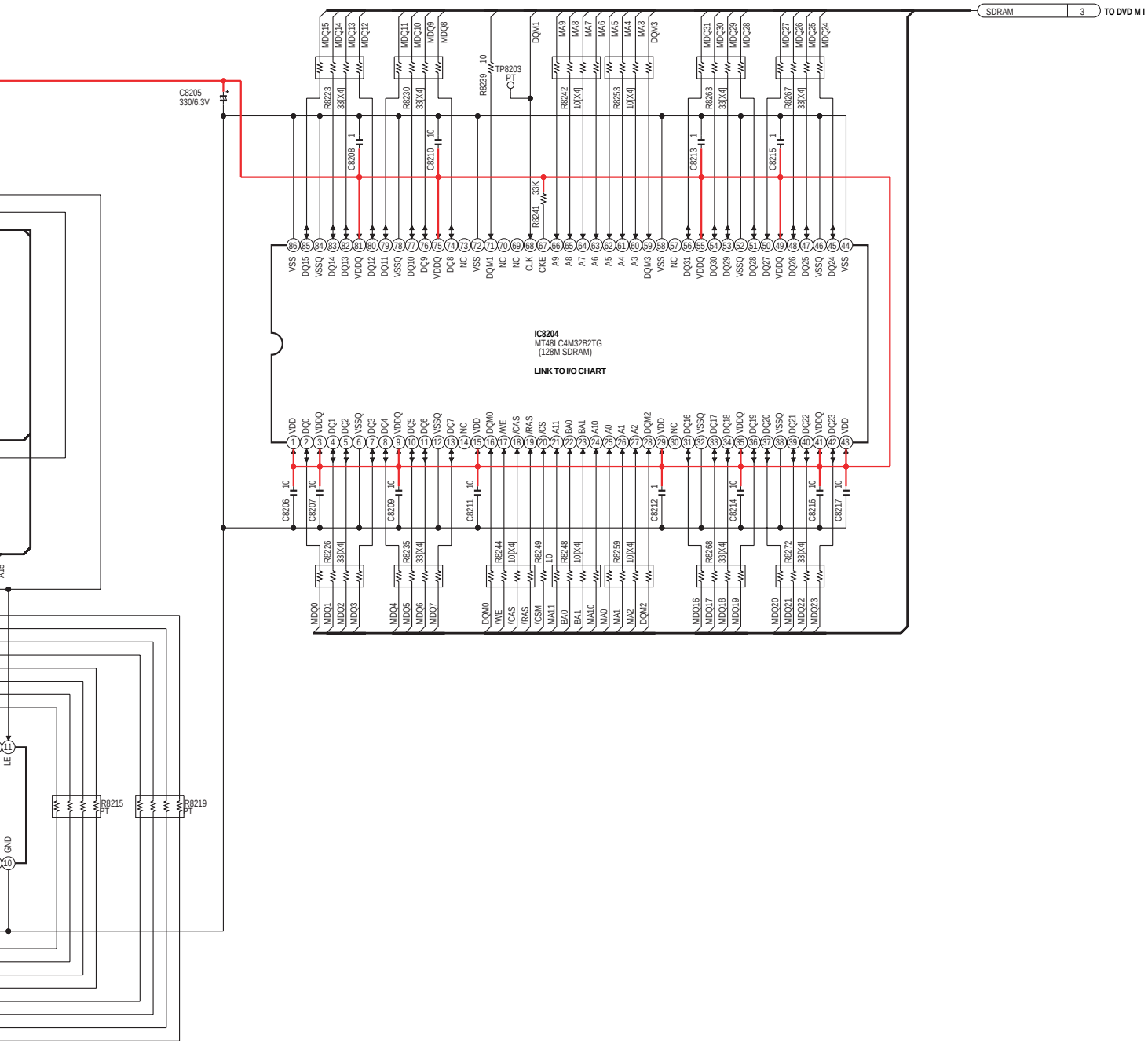
LSJB2091
DVD MAIN I SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

DVD MAIN II SCHEMATIC DIAGRAM



NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

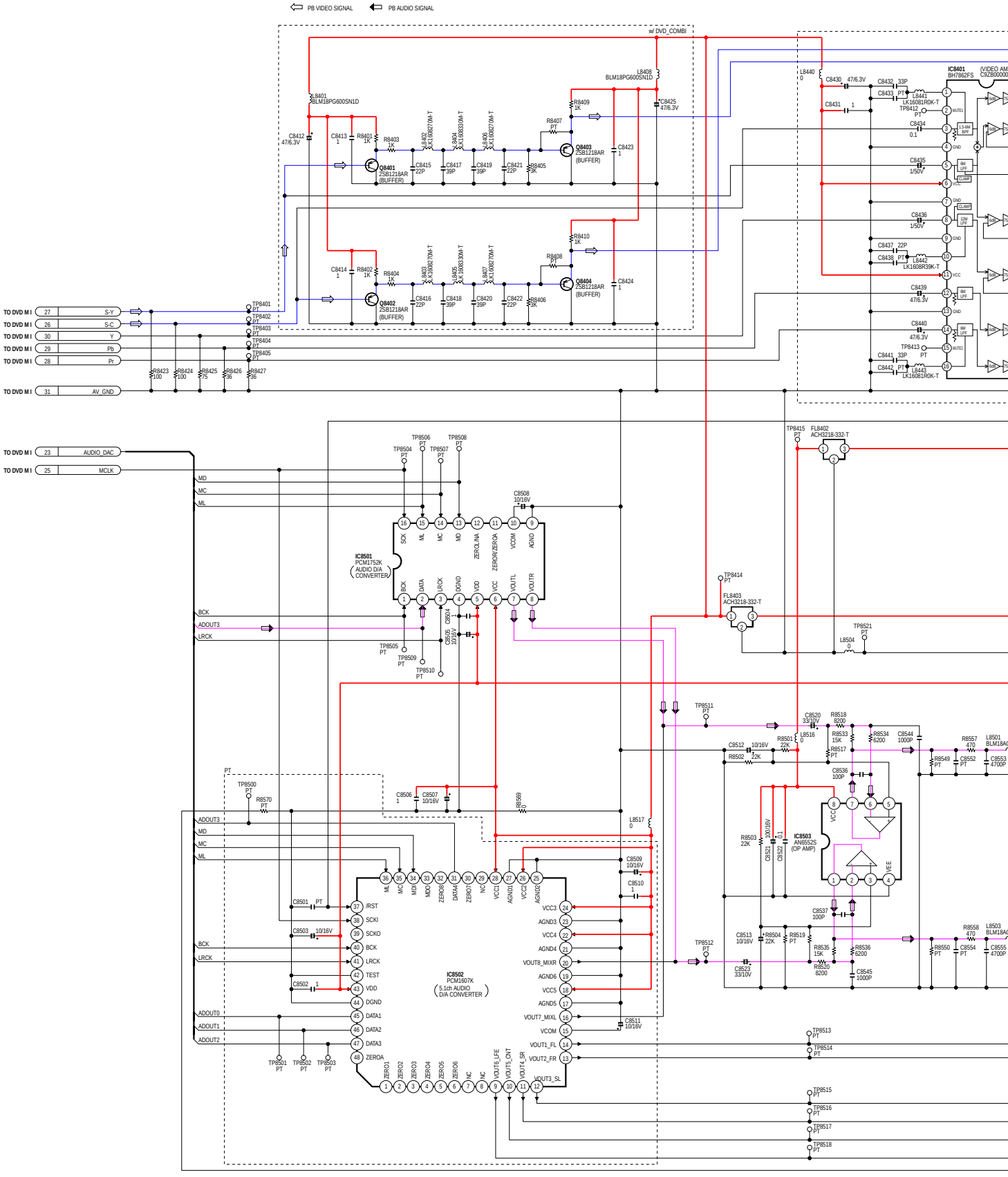


LINK TO VOLTAGE CHART

LSJB2091
DVD MAIN II SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

DVD MAIN III SCHEMATIC DIAGRAM

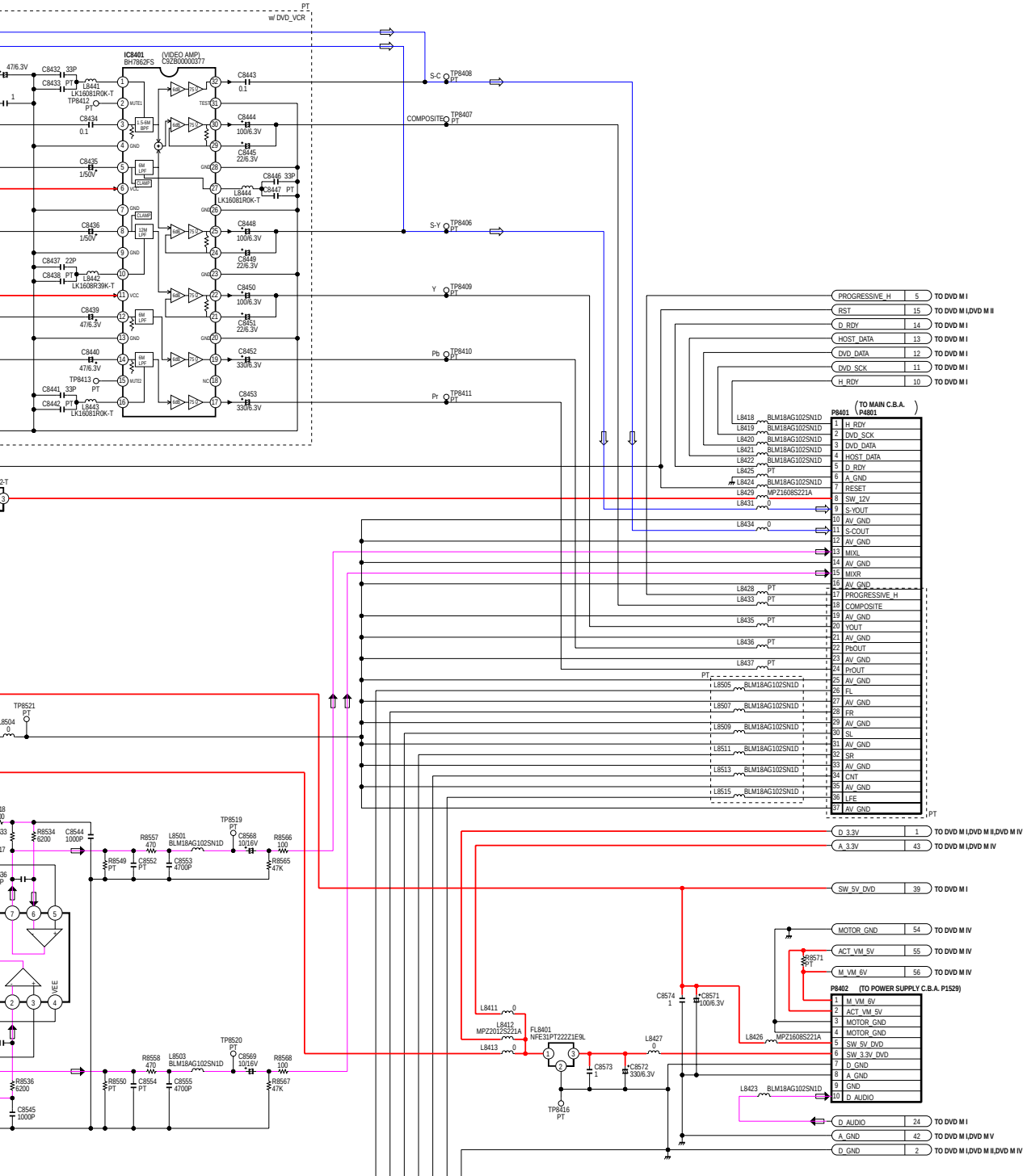
NOTE:
PARTS MARKED "PT" ARE NOT USED.



RKED "PT" ARE NOT USED.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

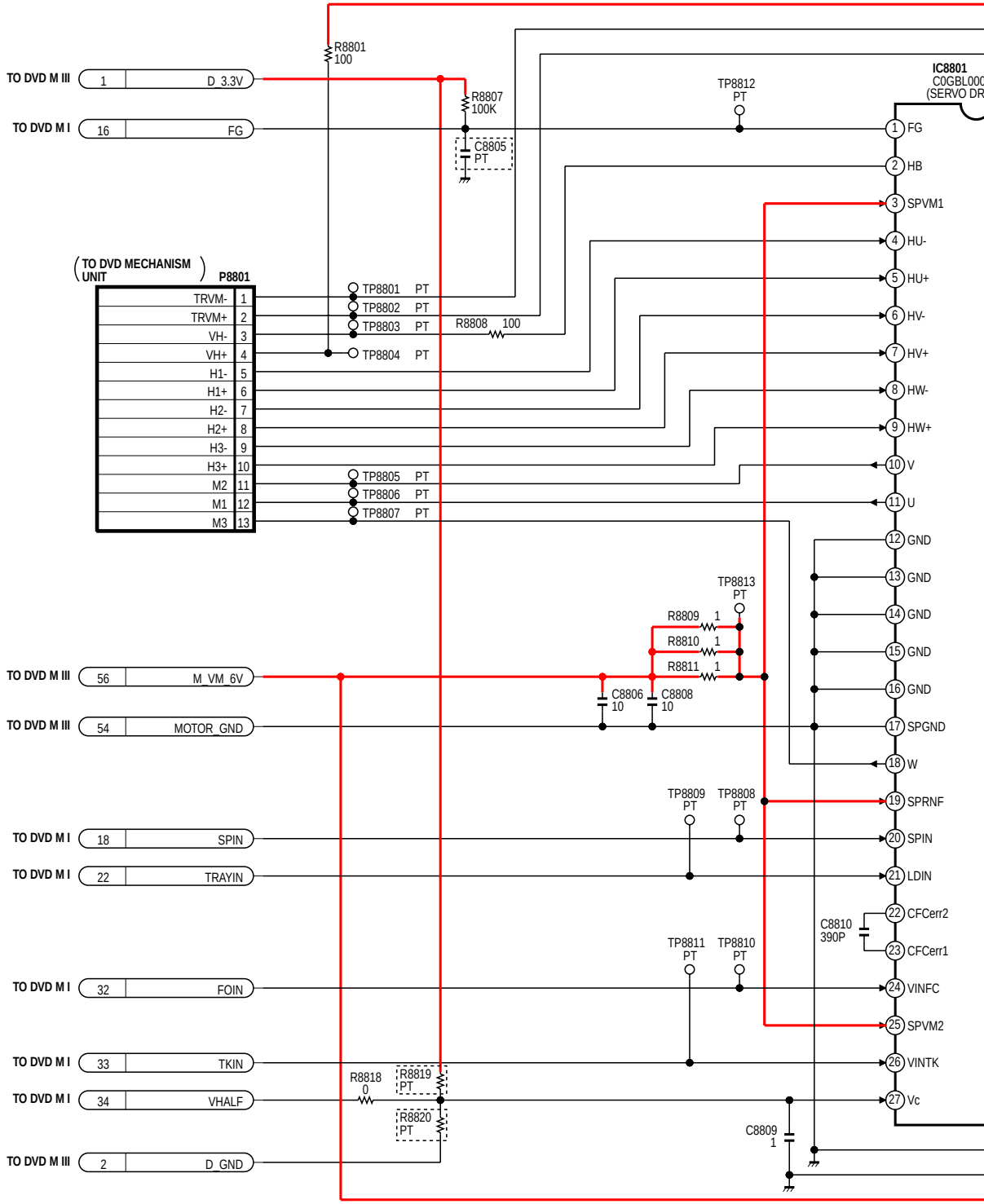


LINK TO VOLTAGE CHART

LSJB2091
DVD MAIN III SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

DVD MAIN IV SCHEMATIC DIAGRAM

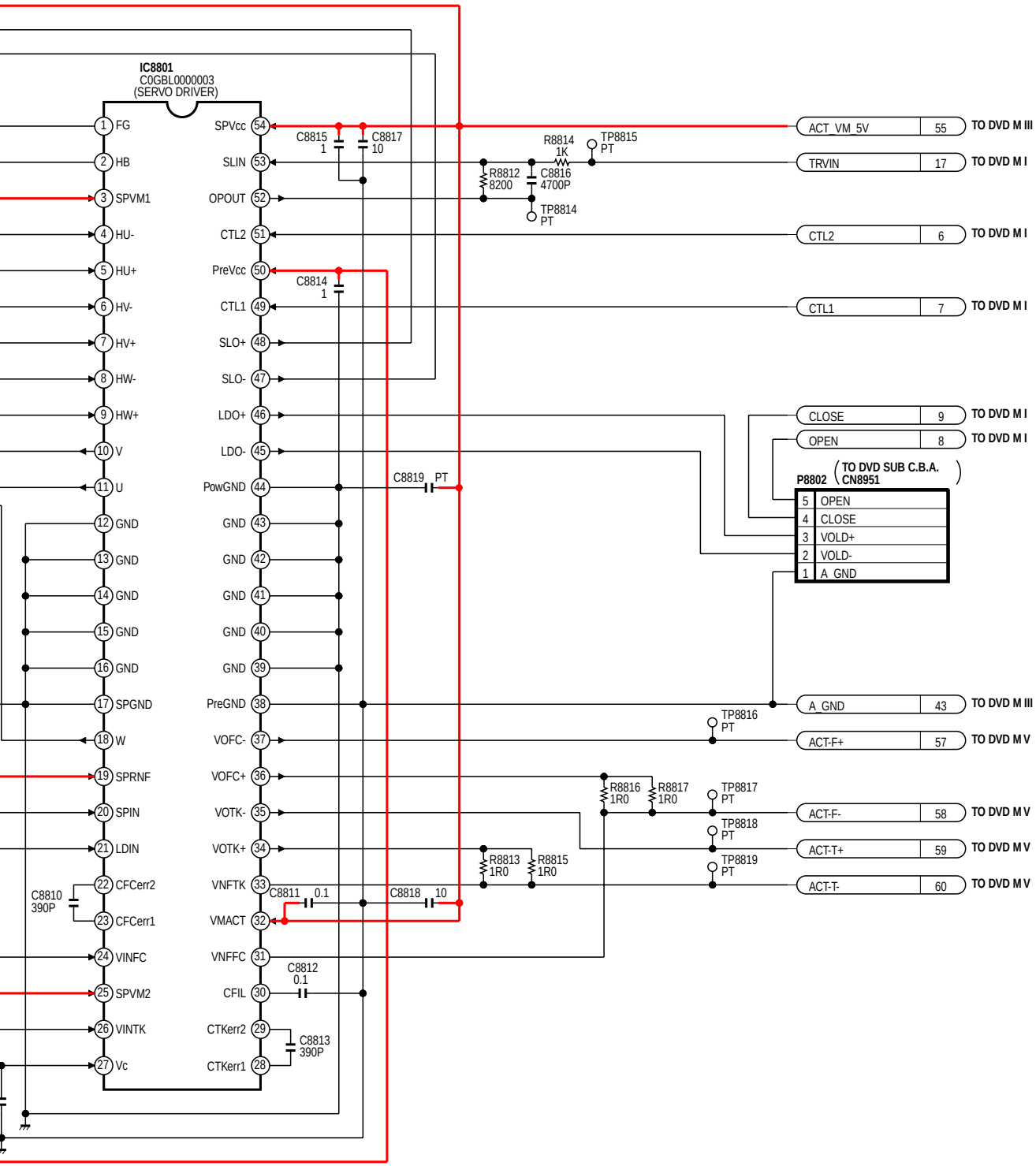
NOTE:
PARTS MARKED "PT" ARE NOT USED.



RKED "PT" ARE NOT USED.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

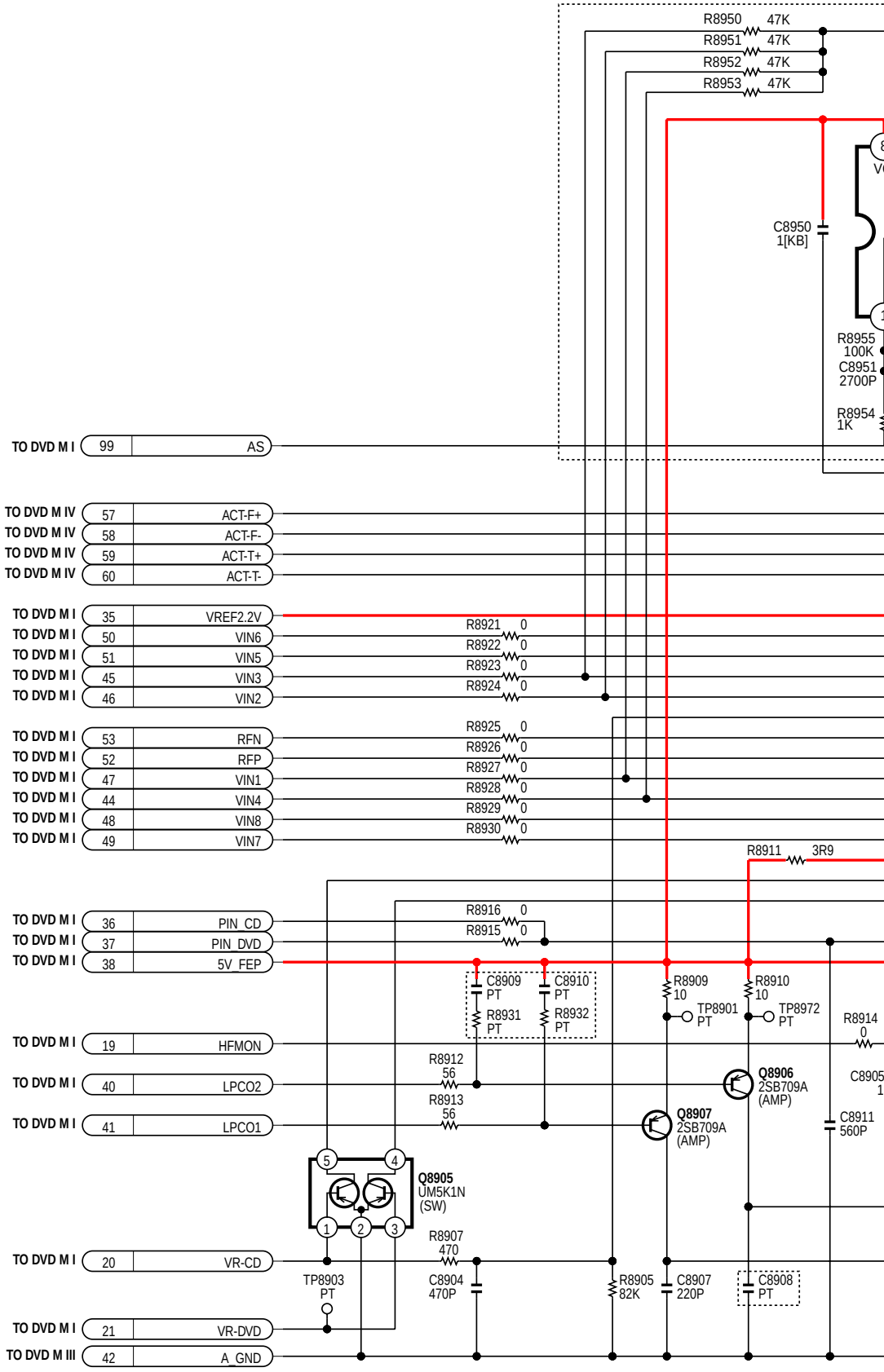


LINK TO VOLTAGE CHART

LSJB2091
DVD MAIN IV SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

DVD MAIN V SCHEMATIC DIAGRAM

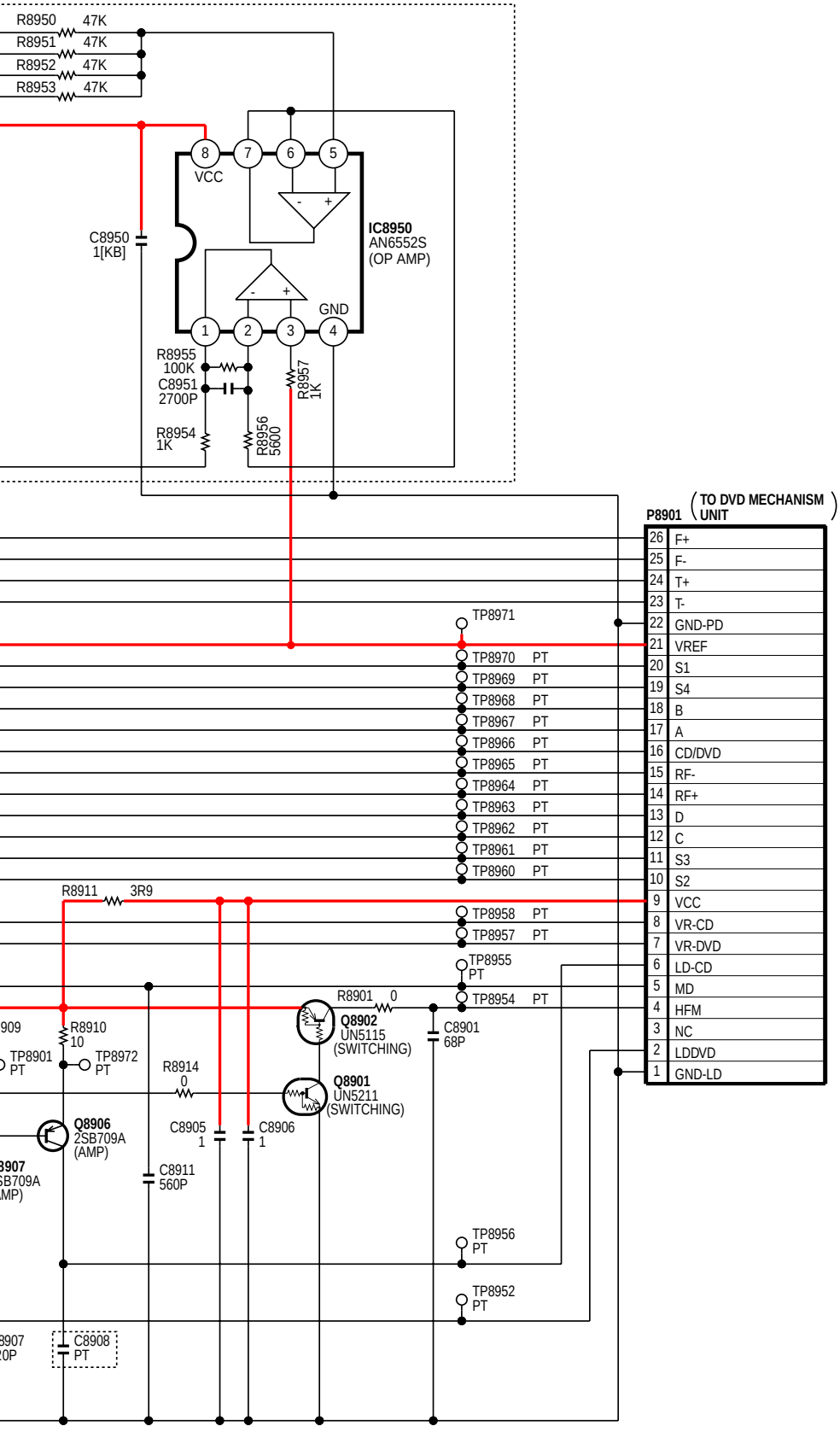
NOTE:
PARTS MARKED "PT" ARE NOT USED.



RKED "PT" ARE NOT USED.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.



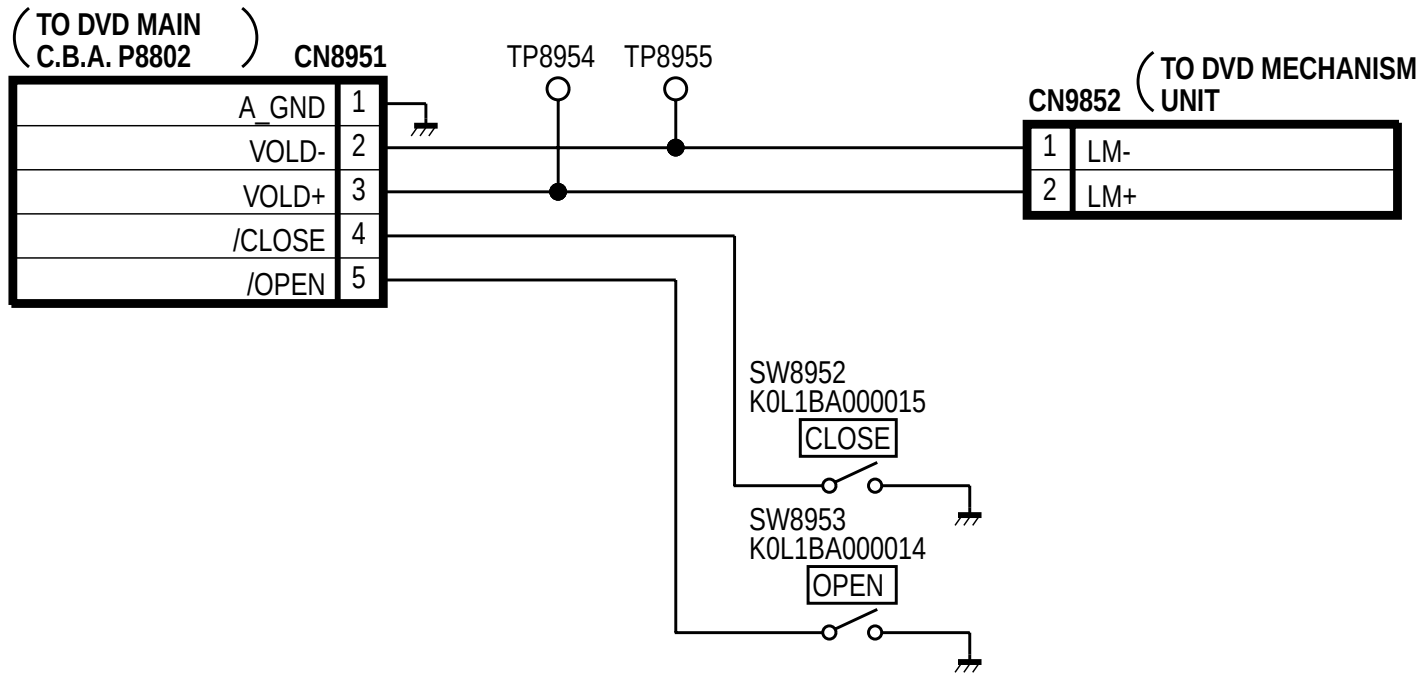
LINK TO VOLTAGE CHART

LSJB2091
DVD MAIN V SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

8.12. DVD SUB SCHEMATIC DIAGRAM

DVD SUB SCHEMATIC DIAGRAM

NOTE:
PARTS MARKED "PT" ARE NOT USED.



RKED "PT" ARE NOT USED.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

DVD MECHANISM
IT

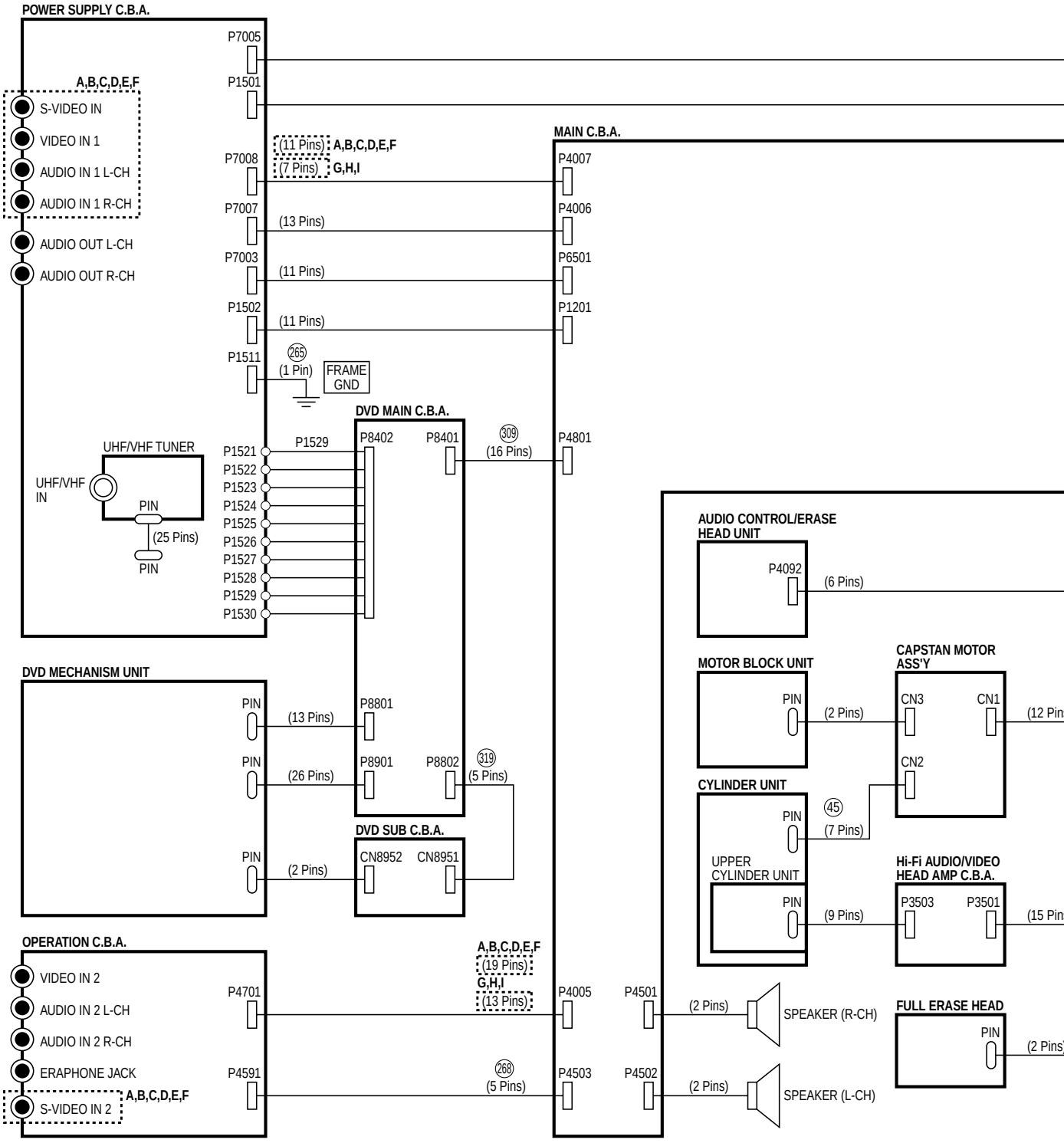
LINK TO VOLTAGE CHART

LSJB2014
DVD SUB SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

8.13. INTERCONNECTION SCHEMATIC DIAGRAM

INTERCONNECTION SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCU
REFER TO BEGINNING OF SCHEMATIC



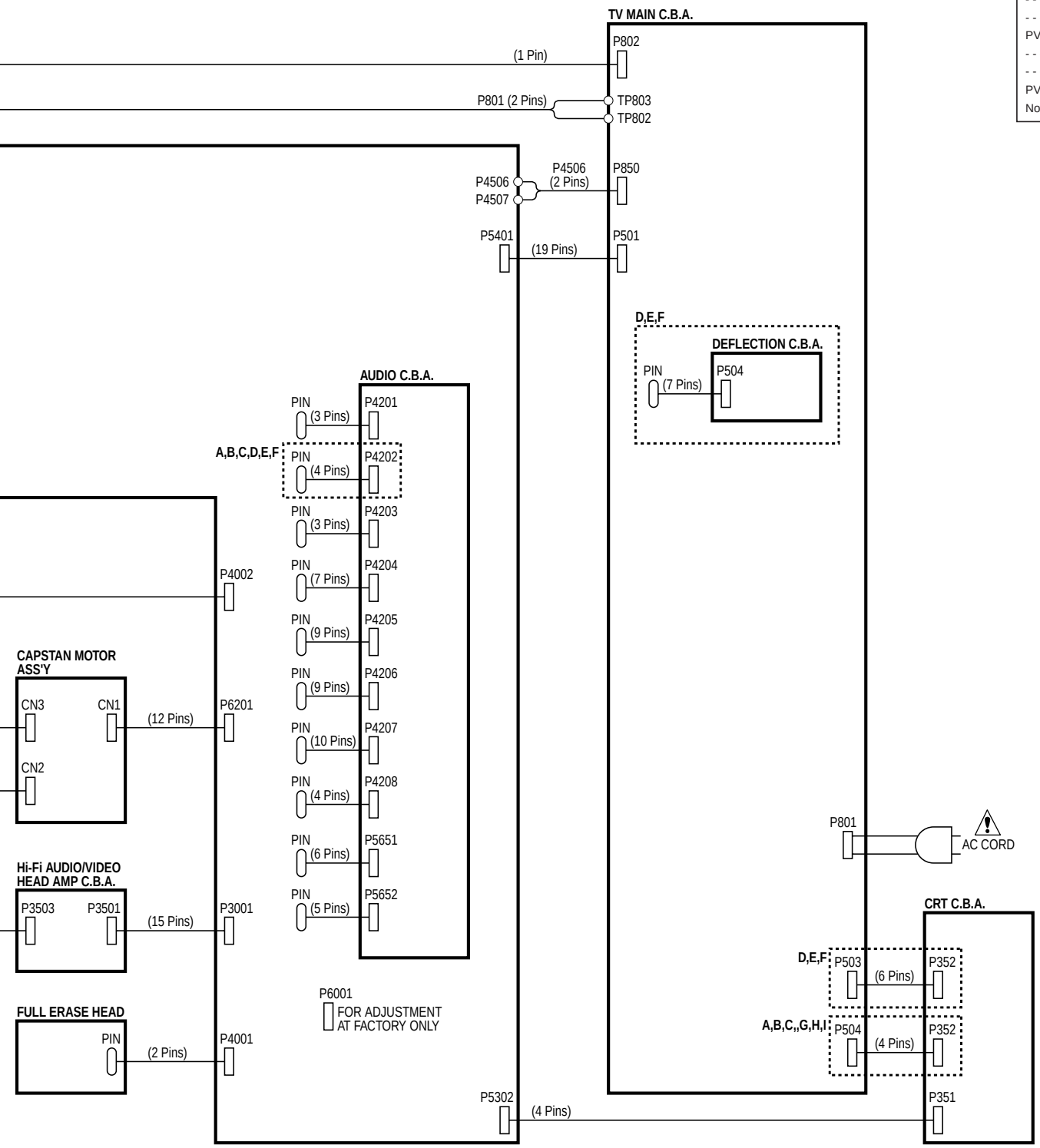
SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
ER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT



INTERCONNECTION SCHEMATIC DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

MAIN C.B.A. (VIDEO/AUDIO SECTION)

MODE / PIN NO.	STOP
IC3001	
1	5.0
2	3.4
3	2.1
4	5.0
5	2.7
6	---
7	5.2
8	5.2
9	2.3
10	2.8
11	0.8
12	2.8
13	0
14	0.4
15	1.0
16	0
17	2.3
18	3.2
19	2.7
20	3.1
21	5.0
22	0
23	2.5
24	2.5
25	0
26	2.5
27	2.0
28	0
29	0
30	1.8
31	2.0
32	2.4
33	0
34	0
35	---
36	0
37	0.1
38	0
39	2.3
40	3.5
41	2.8
42	0
43	0.1
44	2.6
45	2.6
46	2.6
47	5.0
48	---
49	0.1
50	---
51	5.0
52	2.6
53	2.5
54	0.4

MODE / PIN NO.	STOP
55	2.1
56	4.3
57	2.6
58	2.6
59	2.5
60	2.6
61	2.5
62	0
63	0
64	---
65	2.6
66	2.6
67	2.6
68	0.3
69	2.6
70	0.1
71	---
72	2.6
73	2.6
74	0
75	0.1
76	3.4
77	0
78	1.9
79	3.0
80	1.9
81	2.5
82	2.8
83	2.6
84	2.5
IC3201	
1	0.2
2	5.0
3	0.2
4	0
5	2.9
6	-2.8
7	2.1
8	2.9
IC3351	
1	0.1
2	2.0
3	5.0
4	3.6
5	0
6	1.8
IC4501	
1	12.2
2	5.4
3	0
4	5.4
5	3.2
6	1.5
7	0
8	1.5

MODE / PIN NO.	STOP
9	0
10	5.4
11	0
12	5.4
IC5301	
1	2.7
2	0.1
3	0.1
4	---
5	2.1
6	2.1
7	0.1
8	0.1
9	0
10	3.9
11	0.1
12	0.1
13	4.3
14	6.2
15	0.2
16	0.2
17	0
18	0.2
19	0.2
20	0.2
21	0.2
22	3.8
23	3.8
24	9.1
25	3.6
26	9.0
27	0
28	0
29	0
30	5.8
31	6.3
32	3.5
33	6.4
34	8.2
35	0
36	0.1
37	9.7
38	9.0
39	2.2
40	2.3
41	2.4
42	0
43	5.2
44	5.2
45	---
46	2.7
47	5.0
48	0.7
IC5302	
1	3.2

MODE / PIN NO.	STOP
2	4.3
3	3.1
4	0
5	3.2
6	5.0
7	2.4
8	0
IC5351	
1	3.4
2	0
3	3.4
4	4.9
5	3.4
6	5.0
7	1.4
8	0
IC5361	
1	2.3
2	4.3
3	2.5
4	0.1
5	3.2
6	5.0
7	0.3
8	0
Q3001	
E	1.7
C	0
B	1.0
Q3002	
E	1.9
C	5.1
B	2.5
Q3004	
E	1.7
C	0.3
B	1.1
Q3305	
E	0
C	4.0
B	-0.2
Q4001	
E	5.1
C	5.1
B	4.3
Q4002	
E	0
C	0
B	0.8
Q4003	
E	0
C	0
B	0.8

MODE / PIN NO.	STOP
Q4101	
E	0
C	0.6
B	0.5
Q4102	
E	0
C	5.0
B	0
Q4171	
E	0
C	0
B	0.2
Q5301	
E	3.2
C	9.1
B	3.8
Q5302	
E	5.2
C	9.1
B	5.7
Q5501	
E	1.1
C	0
B	0.3
Q5901	
E	9.1
C	12.1
B	9.7
Q5902	
E	0.3
C	9.1
B	0.5
TP3001	1.7
TP3002	2.8
TP3003	3.4
TP3004	2.0
TP3005	5.1
TP3006	2.6
TP3007	2.8
TP3008	2.4
TP3010	3.0
TP3011	2.7
TP3012	0
TP3013	8.5
TP3014	8.5
TP3019	2.9
TP3212	2.9
TP4001	0
TP4002	0
TP4003	0
TP4004	0
TP4011	0
TP4014	0
TP4501	5.4

MODE / PIN NO.	STOP
TP4502	5.4
TP4503	5.4
TP4504	5.4
TP4508	0
TP4509	0
TP5009	0
TP5019	0
TP5301	3.5
TP5302	3.5
TP5303	3.6
TP5305	4.1
TP5307	1.7
TP5308	2.1
TP5309	1.7
TP5310	5.8
TP5311	4.2
TP5313	0.1
TP5401	3.9
TP5402	2.3
TP5501	0.7
TP5503	1.7
TP5504	0
TP5505	0
TP5506	5.7

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

MAIN C.B.A. (SYSTEM CONTROL/SERVO SECTION)

MODE / PIN NO.	REC	PLAY
IC6001		
1	0.3	5.2
2	5.2	5.2
3	5.2	5.2
4	5.2	5.2
5	5.2	5.2
6	0.1	5.1
7	0.1	5.2
8	5.2	5.2
9	0.3	0.2
10	0	1.2
11	0.2	0.8
12	0.2	0
13	0.2	0
14	0.3	0.3
15	0.3	0.3
16	0.3	0.2
17	0.3	0.2
18	0.3	0.2
19	0.4	0.2
20	0.3	2.3
21	0.3	0.2
22	0.2	0.2
23	0.2	0.2
24	0.1	0.2
25	---	---
26	0	2.6
27	0.1	2.6
28	0.1	0.5
29	5.2	0.5
30	0.6	0.5
31	0.1	0.6
32	5.1	0.4
33	2.7	3.2
34	2.6	2.8
35	5.0	5.0
36	5.2	0.3
37	2.4	0
38	2.4	2.5
39	0	0
40	0.3	0.3
41	0	0.3
42	0.4	0.3
43	4.4	0.3
44	4.8	0.3
45	0.3	0.4
46	5.2	0.3
47	0	0.3
48	0	0
49	0	0
50	2.7	2.8
51	5.0	5.0
52	0.5	4.5
53	0.6	5.1
54	0.9	0.3

MODE / PIN NO.	REC	PLAY
55	0	5.2
56	5.1	5.1
57	5.0	5.0
58	0	0
59	0	0
60	2.6	2.6
61	0	2.8
62	0	5.1
63	0	0.1
64	0	0.3
65	0	1.9
66	0.2	4.9
67	0	2.4
68	2.6	0.1
69	0	2.6
70	2.5	2.6
71	0	0
72	2.6	1.8
73	5.0	5.0
74	2.6	2.1
75	0	2.7
76	0	0.7
77	0.3	0.3
78	2.6	0
79	0.1	0
80	5.1	4.1
81	5.2	1.1
82	3.5	2.1
83	---	---
84	5.2	1.0
85	0	1.1
86	0	1.1
87	0	0.9
88	0	0.9
89	5.2	---
90	0	0.8
91	5.2	5.2
92	0	5.1
93	0	5.1
94	0	1.4
95	0	0
96	0	5.1
97	0	0
98	0	2.5
99	0	2.5
100	0.1	0.1
IC6002		
A	1.2	0
K	0	0
E	0	0
C	0.2	---
IC6003		
A	2.4	1.3
K	1.3	0
E	0	0

MODE / PIN NO.	REC	PLAY
C	5.2	3.6
IC6004		
1	0	0
2	0	0
3	0	0
4	0	0
5	5.2	4.8
6	5.2	5.0
7	0	0
8	5.0	5.0
IC6005		
1	5.1	5.2
2	5.0	5.0
3	0	0
4	0	0
5	5.0	5.0
6	0	0
Q6001		
E	12.1	12.2
C	11.9	0.6
B	11.3	12.3
Q6002		
E	4.4	0
C	11.3	12.2
B	5.0	0
Q6003		
E	0	0
C	0.1	0.2
B	0.6	0.6
Q6004		
E	5.0	5.1
C	5.0	5.1
B	4.3	4.4
Q6005		
E	5.1	5.2
C	5.0	5.1
B	4.3	4.3
Q6006		
E	0	0
C	5.0	0
B	0	0
Q6009		
E	0.1	0.1
C	5.0	5.0
Q6010		
E	0.1	0.1
C	4.8	5.1
Q6013		
E	3.9	3.9
C	0	0
B	0	0
Q6014		
E	4.0	4.0
C	5.2	5.2

MODE / PIN NO.	REC	PLAY
B	0.2	0.2
Q6302		
E	0	0
C	5.0	5.0
B	4.5	4.5
TP6001	5.0	5.0
TP6002	4.2	4.9
TP6003	3.5	3.0
TP6004	0.2	0.2
TP6005	3.5	3.3
TP6006	0	0
TP6007	5.1	5.1
TP6008	0.1	0.1
TP6009	5.2	5.2
TP6013	2.6	2.6
TP6021	1.0	0.1
TP6022	4.0	4.0
TP6023	0	0
TP6099	5.0	5.0
TP6101	5.2	5.2
TP6103	4.9	4.9
TP6104	5.2	5.2
TP6105	5.0	5.0
TP6106	5.2	5.2
TP6107	0	0
TP6108	1.0	1.0
TP6109	5.0	5.0
TP6111	0	0
TP6201	2.3	2.3
TP6202	2.5	2.5
TP6203	2.6	2.6
TP6204	1.2	1.2
TP6205	2.6	2.6
TP6206	3.0	2.5
TP6207	2.6	2.5
TP6208	2.6	2.7
TP6209	2.4	2.4
TP6401	0	0

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I

TV MAIN C.B.A.

MODE / PIN NO.	STOP
IC850	
1	2.0
2	0.2
3	124.9
4	17.0
5	0
IC451	
1	10.2
2	3.9
3	5.1
4	6.2
5	0
6	5.1
7	4.6
8	27.2
9	2.3
10	1.2
11	0
12	14.7
13	27.7
Q431	
E	0
C	0
B	0.3
Q501	
E	0
C	80.1
B	0.4
Q523	
E	130
C	0.2
B	129.6
Q571	
E	1.4
C	11.7
B	1.7
Q591	
E	0
C	12.2
B	0
Q801	
E	0
C	0.2
B	0.8

MODE / PIN NO.	STOP
TP501	140.4
TP502	0.1
TP503	0
TP541	0
TP551	-2.4
TP552	-19.6
TP553	0.1
TP554	23.7
TP556	213.5
TP558	17.1
TP751	3.0
TP802	120
TP803	120
TP851	130
TP852	0
TP4501	22.0
TP4502	0
TP4504	0
TP4505	0
TP4506	2.4
TP4507	1.3

DEFLECTION C.B.A. (F)

MODE / PIN NO.	STOP
IC752	
1	3.0
2	3.7
3	3.7
4	0
5	5.3
6	0.1
7	6.9
8	12.0
Q751	
E	0.1
C	23.4
B	0.6
Q753	
E	7.4
C	0.6
B	6.9
Q754	
E	1.8
C	7.4
B	2.4
TP751	3.0
TP752	6.5

POWER SUPPLY C.B.A.

MODE / PIN NO.	STOP
IC1502	
1	0
2	0
3	0
4	0.5
IC1503	
1	0
2	0
3	0
IC1504	
1	0
2	0
3	3.3
4	3.3
5	
IC9501	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	5.1
Q1501	
E	30.3
C	31.1
B	30.6
Q1502	
E	31.1
C	1.0
B	30.3
Q1503	
E	0
C	30.6
B	-0.1
Q1504	
E	0
C	30.1
B	0.3
Q1505	
E	12.2
C	14.4
B	12.7
Q1506	
E	0.1
C	12.2
B	0
Q1507	
E	5.2
C	5.3
B	6.0
Q1508	
E	0

MODE / PIN NO.	STOP
C	12.7
B	0.6
Q1509	
E	0
C	0
B	0
Q1510	
E	0
C	11.9
B	1.5
Q1511	
E	0
C	0
B	0
Q9501	
E	5.1
C	12.1
B	5.7
Q9502	
E	5.1
C	12.1
B	5.7
Q9503	
E	3.3
C	9.4
B	3.9
Q9504	
E	8.6
C	12.1
B	9.2
Q9505	
E	6.0
C	12.0
B	0
TP1501	30.0
TP1502	5.0
TP9501	0
TP9502	0
TP9551	0
TP9552	0
TP9553	0
TP9554	0

AUDIO C.B.A.

MODE / PIN NO.	STOP
IC4201	
1	0.4
2	0
3	2.5
4	0
5	2.5
6	2.5
7	2.2
8	0.4
9	0
10	0
11	0
12	2.2
13	2.6
14	0
15	0
16	2.6
17	0.8
18	2.6
19	2.5
20	2.1
21	2.1
22	2.1
23	0
24	2.1
25	5.0
26	2.1
27	0
28	3.8
29	1.5
30	0.8
31	0.1
32	2.5
33	2.5
34	0.7
35	2.5
36	0.1
37	1.7
38	0
39	---
40	5.0
41	0
42	4.9
43	4.9
44	0
45	0
46	0
47	2.5
48	2.3
49	0.4
50	3.6
51	5.0
52	3.6
53	6.0
54	2.5

MODE / PIN NO.	STOP
55	0
56	0
57	6.0
58	12.0
59	0.2
60	0.2
61	2.5
62	2.5
63	2.8
64	0.6
IC4601	
1	0.1
2	4.5
3	4.5
4	4.5
5	4.5
6	4.5
7	0
8	0
9	0
10	5.0
11	4.9
12	1.1
13	1.1
14	2.7
15	2.7
16	8.9
17	4.5
18	4.5
19	4.5
20	4.5
21	4.5
22	0
IC5651	
1	0
2	0.1
3	2.9
4	2.5
5	1.4
6	0
7	0
8	5.2
9	0
10	2.5
11	2.3
12	3.5
13	4.0
14	1.7
15	3.6
16	5.1
IC9201	
(B,D,E,F,G,H,I)	
1	2.9
2	3.6
3	5.1

MODE / PIN NO.	STOP
4	4.4
5	0
6	5.1
7	4.4
8	3.0
9	3.1
Q4003	
E	0.3
C	---
B	0
Q4004	
E	0.3
C	---
B	0
Q4005	
E	0
C	0
B	---
Q4006	
E	0
C	0
B	---
Q5651	
E	1.8
C	0
B	1.3
Q5653	
E	2.4
C	0
B	1.8
Q5654	
E	2.5
C	0
B	1.9
Q5655	
E	3.0
C	9.1
B	4.0
Q5656	
E	3.3
C	9.1
B	4.0
Q5657	
E	1.1
C	4.2
B	1.7
Q5658	
E	1.1
C	9.0
B	1.7

MODE / PIN NO.	STOP
TP4201	0
TP4202	0
TP4205	0
TP4206	0
TP4207	0
TP4208	0
TP5651	0
TP5652	0
TP9001	0
TP9002	0
TP9003	0
TP9201	0.6

VOLTAGE CHART
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I

OPERATION C.B.A.

MODE / PIN NO.	STOP
IC4701	
1	0
2	0
3	0
4	6.4
5	0
6	0
7	0
8	5.0
Q4701	
E	6.5
C	12.0
B	0.1
Q4710	
(A,B,C,D,E,F)	
E	3.0
C	0
B	3.7
Q4711	
(A,B,C,D,E,F)	
E	6.4
C	0
B	7.0
Q4712	
(A,B,C,D,E,F)	
E	5.7
C	9.5
B	6.3
Q4713	
(A,B,C,D,E,F)	
E	8.7
C	12.0
B	9.4
TP4591	0
TP4592	0
TP4701	0
TP4702	0
TP4710	0
TP4711	0.3

Hi-Fi AUDIO/VIDEO HEAD AMP C.B.A.

MODE / PIN NO.	STOP
IC3501	
1	0
2	0
3	0.5
4	0
5	0
6	0
7	0.5
8	0
9	0
10	0.5
11	0
12	0
13	0.1
14	0.1
15	---
16	2.4
17	2.4
18	0
19	---
20	---
21	---
22	---
23	---
24	---
25	0.2
26	5.1
27	0
28	0
29	0
30	2.5
31	5.2
32	4.9
33	0.2
34	0.1
35	11.9
36	0.1
IC4401	
1	0
2	4.0
3	0.6
4	0
5	4.0
6	4.0
7	1.0
8	0.7
9	2.6
10	5.1
11	0
12	0
13	3.9
14	3.9
15	0.1
16	13.0

CRT C.B.A. (C,I)

MODE / PIN NO.	STOP
Q351	
E	3.1
C	131.1
B	3.5
Q352	
E	3.1
C	127.9
B	3.5
Q353	
E	3.0
C	131.9
B	3.5
TP47	0
TP49	3.5
TP50	131.9

CRT C.B.A. (F)

MODE / PIN NO.	STOP
Q351	
E	12.3
C	142.3
B	12.0
Q352	
E	12.2
C	204.5
B	12.0
Q353	
E	12.2
C	199.5
B	12.0
Q354	
E	0.1
C	12.2
B	4.2
Q355	
E	2.1
C	12.2
B	2.6
Q356	
E	2.2
C	12.3
B	2.7
TP46	4.2
TP47	0
TP48	2.6
TP49	2.7
TP50	199.4
TP51	204.6

DVD MAIN C.B.A.

MODE / PIN NO.	STOP
IC8001	
1	3.3
2	---
3	---
4	0
5	---
6	---
7	3.3
8	---
9	---
10	---
11	0
12	---
13	---
14	3.3
15	1.5
16	0
17	3.4
18	3.4
19	---
20	---
21	---
22	---
23	3.3
24	0
25	0.4
26	0.9
27	---
28	---
29	3.3
30	0
31	---
32	---
33	2.2
34	---
35	---
36	---
37	---
38	0.3
39	0.1
40	---
41	---
42	3.3
43	0
44	---
45	---
46	2.0
47	---
48	---
49	---
50	3.4
51	3.4
52	---
53	3.4
54	3.4

MODE / PIN NO.	STOP
55	3.3
56	3.3
57	0
58	0
59	3.3
60	3.4
61	3.1
62	---
63	3.4
64	---
65	0.1
66	1.2
67	1.6
68	3.4
69	0
70	1.7
71	2.4
72	---
73	---
74	---
75	3.4
76	---
77	---
78	0.1
79	3.3
80	0
81	---
82	---
83	---
84	---
85	---
86	---
87	---
88	---
89	---
90	---
91	3.3
92	1.7
93	0
94	---
95	3.4
96	3.4
97	3.4
98	1.6
99	0
100	---
101	---
102	---
103	---
104	3.3
105	0.9
106	0
107	0.8
108	1.6
109	2.1

MODE / PIN NO.	STOP
110	2.6
111	2.0
112	0.7
113	2.1
114	1.8
115	1.4
116	0.3
117	1.6
118	3.3
119	0
120	1.9
121	1.9
122	2.4
123	2.4
124	2.4
125	2.4
126	2.0
127	2.0
128	2.0
129	2.0
130	2.2
131	2.3
132	0.4
133	1.2
134	0.4
135	0.2
136	2.3
137	1.7
138	0
139	1.7
140	1.7
141	1.7
142	1.7
143	0.5
144	1.6
145	3.3
146	1.8
147	---
148	---
149	3.3
150	1.7
151	0
152	1.7
153	3.3
154	1.4
155	0
156	2.2
157	3.3
158	0.7
159	0
160	0.5
161	0.5
162	1.4
163	---
164	0.9

MODE / PIN NO.	STOP
165	3.3
166	1.5
167	0
168	2.1
169	0
170	0.8
171	3.3
172	1.6
173	---
174	1.8
175	1.7
176	1.4
177	0
178	---
179	---
180	---
181	1.7
182	3.3
183	0
184	---
185	---
186	1.5
187	---
188	---
189	3.3
190	---
191	---
192	---
193	---
194	0
195	3.3
196	---
197	---
198	0
199	---
200	---
201	---
202	3.3
203	---
204	---
205	---
206	0
207	2.4
208	2.4
209	3.3
210	---
211	0
212	---
213	1.5
214	---
215	0
216	---
217	---
218	3.3
219	---

MODE / PIN NO.	STOP
220	---
221	0
222	1.5
223	1.9
224	0
225	1.9
226	3.3
227	---
228	---
229	---
230	0
231	---
232	3.3
233	3.3
234	1.6
235	---
236	0
237	1.7
238	3.0
239	3.3
240	3.3
241	0
242	3.2
243	2.4
244	1.5
245	0
246	2.4
247	---
248	0
249	---
250	3.3
251	---
252	---
253	---
254	0
255	---
256	---
IC8002	
1	0
2	0
3	0
4	0
5	3.3
6	3.2
7	0
8	3.3
IC8003	
1	3.3
2	0
3	0.3
4	1.7
5	3.3
6	0
7	1.5
8	1.4

MODE / PIN NO.	STOP
9	---
10	1.6
11	0
12	3.3
13	---
14	0.1
15	1.6
16	3.3
IC8005	
1	0
2	2.7
3	1.5
4	1.2
5	0
IC8201	
1	0.5
2	0.6
3	1.0
4	0.8
5	2.0
6	1.3
7	0
8	1.1
9	0.1
10	0.1
11	3.3
12	3.1
13	---
14	3.3
15	0.1
16	3.3
17	3.3
18	3.3
19	0.1
20	0
21	3.3
22	0.1
23	3.3
24	0
25	2.9
26	1.9
27	1.7
28	0.7
29	3.3
30	3.3
31	0.1
32	0.1
33	0.1
34	3.3
35	0.1
36	0.1
37	3.3
38	3.3
39	3.3
40	3.3

VOLTAGE CHART
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

MODE / PIN NO.	STOP
41	0.1
42	3.3
43	1.0
44	3.3
45	3.3
46	0
47	3.3
48	0.6
IC8202	
1	0.1
2	2.9
3	0.1
4	3.3
5	3.3
6	1.2
7	3.3
8	3.3
9	3.3
10	0
11	0.1
12	0.1
13	0.1
14	0.1
15	0.1
16	0
17	0.1
18	0.1
19	0.1
20	3.3
IC8203	
1	1.4
2	3.3
3	0.1
4	0.1
5	0.4
6	0.1
7	0.1
8	0.1
9	0.4
10	0
11	0.1
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	3.3
IC8204	
1	3.3
2	1.4
3	3.3
4	2.0

MODE / PIN NO.	STOP
5	1.7
6	0
7	2.0
8	2.7
9	3.0
10	2.0
11	2.0
12	0
13	2.6
14	---
15	3.3
16	2.1
17	3.2
18	3.1
19	3.2
20	3.0
21	0.1
22	1.5
23	1.6
24	0.1
25	0.1
26	0.3
27	0.4
28	0.4
29	3.3
30	---
31	2.6
32	0
33	2.0
34	2.0
35	3.3
36	2.0
37	2.7
38	0
39	2.0
40	2.0
41	3.3
42	2.3
43	3.3
44	0
45	0.1
46	0
47	0.1
48	0
49	3.3
50	0.1
51	0
52	0
53	0
54	0.1
55	3.3
56	0
57	---
58	0
59	0

MODE / PIN NO.	STOP
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	0.1
68	0
69	---
70	---
71	0.1
72	0
73	---
74	0.1
75	3.3
76	2.4
77	2.4
78	0
79	2.4
80	2.9
81	3.3
82	0.1
83	2.4
84	0
85	0.1
86	0
IC8501	
1	1.7
2	0.1
3	1.7
4	0
5	3.3
6	5.0
7	0.1
8	0.1
9	0
10	0
11	---
12	---
13	1.6
14	0.4
15	3.3
16	0.3
IC8503	
1	6.2
2	1.0
3	6.2
4	0
5	6.0
6	6.0
7	0.1
8	12.0
IC8801	
1	2.3

MODE / PIN NO.	STOP
2	5.9
3	6.1
4	5.9
5	5.9
6	5.9
7	0.1
8	5.9
9	5.9
10	2.7
11	2.7
12	0
13	0
14	0
15	0
16	0
17	0
18	2.7
19	6.1
20	1.7
21	0.8
22	0.5
23	0.9
24	1.0
25	6.1
26	1.0
27	1.7
28	0.9
29	0.6
30	0.8
31	0.8
32	5.0
33	0.8
34	0.8
35	0.8
36	0.7
37	0.7
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.9
46	0.9
47	0.8
48	0.8
49	0.1
50	6.0
51	0.1
52	1.7
53	1.7
54	5.0

MODE / PIN NO.	STOP
Q8401	
E	0.5
C	0
B	1.2
Q8402	
E	0
C	0
B	1.8
Q8403	
E	0.9
C	0
B	1.6
Q8404	
E	1.4
C	0
B	2.1
Q8601	
E	0
C	0.1
B	0.2
Q8602	
E	0
C	0.1
B	0.3
Q8603	
E	0.6
C	1.5
B	0.6
Q8901	
E	0
C	3.9
B	0.3
Q8902	
E	5.0
C	5.1
B	0.1
Q8905	
1	0.5
2	0
3	0.2
4	0.1
5	0.1
Q8906	
E	0.1
C	0
B	0
Q8907	
E	5.1
C	0
B	5.1

MODE / PIN NO.	STOP
TP8001	0.1
TP8002	0.1
TP8003	0.1
TP8004	3.3
TP8005	0.1
TP8006	0.1
TP8007	3.1
TP8008	3.3
TP8009	3.3
TP8010	0.1
TP8011	3.3
TP8012	0.2
TP8013	0
TP8014	0.3
TP8015	1.4
TP8016	0
TP8017	0
TP8018	0.4
TP8019	4.4
TP8401	0.3
TP8402	1.0
TP8403	0.4
TP8404	0.5
TP8405	0.4
TP8406	0
TP8407	1.1
TP8408	0.4
TP8409	0.1
TP8410	1.8
TP8411	1.8
TP8412	5.0
TP8413	5.0
TP8414	2.9
TP8415	12.1
TP8416	0
TP8501	0.1
TP8502	0.8
TP8503	0
TP8504	0.3
TP8505	0
TP8506	3.3
TP8507	3.1
TP8508	3.3
TP8509	0.1
TP8510	1.7
TP8511	0
TP8512	0
TP8513	2.6
TP8514	2.0
TP8515	2.6
TP8516	2.5
TP8517	2.6
TP8518	2.0
TP8519	0
TP8520	0

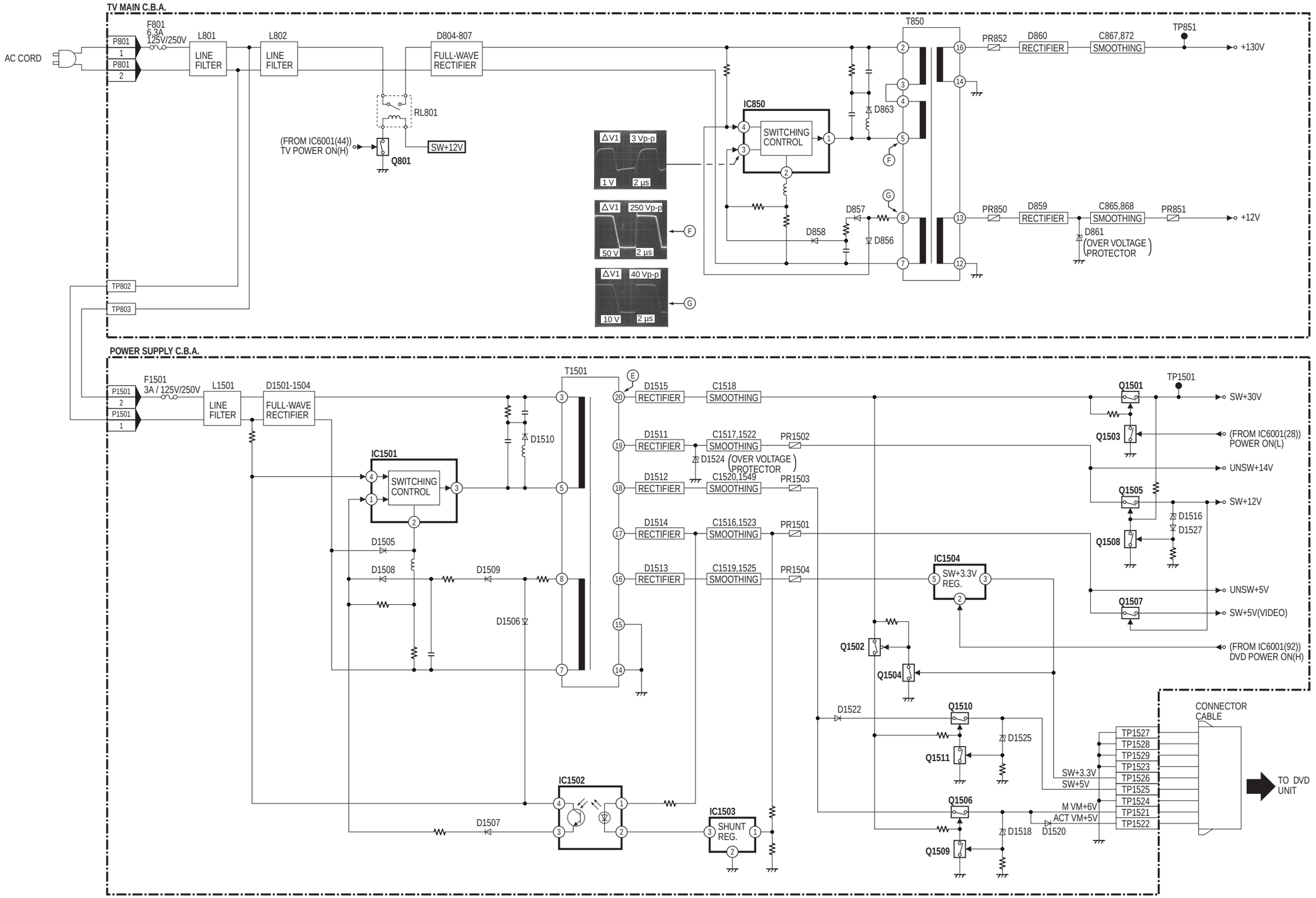
MODE / PIN NO.	STOP
TP8521	1.9
TP8601	3.3
TP8602	0.1
TP8603	3.3
TP8604	0.1
TP8605	1.6
TP8606	0.1
TP8607	0.1
TP8608	0.1
TP8609	0.1
TP8610	0.1
TP8611	0
TP8612	0.1
TP8613	3.3
TP8614	2.9
TP8615	0
TP8616	0
TP8617	1.0
TP8618	0
TP8619	0.1
TP8620	1.8
TP8621	2.0
TP8622	2.0
TP8623	0.1
TP8624	0.1
TP8625	3.3
TP8626	0.1
TP8627	0.1
TP8801	0.7
TP8802	0.5
TP8803	0
TP8804	0.9
TP8805	0.1
TP8806	2.4
TP8807	0.1
TP8808	0.7
TP8809	0.6
TP8810	1.5
TP8811	1.6
TP8812	2.6
TP8813	3.0
TP8814	-2.6
TP8815	-1.9
TP8816	0.6
TP8817	0.6
TP8818	0.2
TP8819	0.6

DVD SUB
C.B.A.

MODE / PIN NO.	STOP
TP8954	0.6
TP8955	0.7

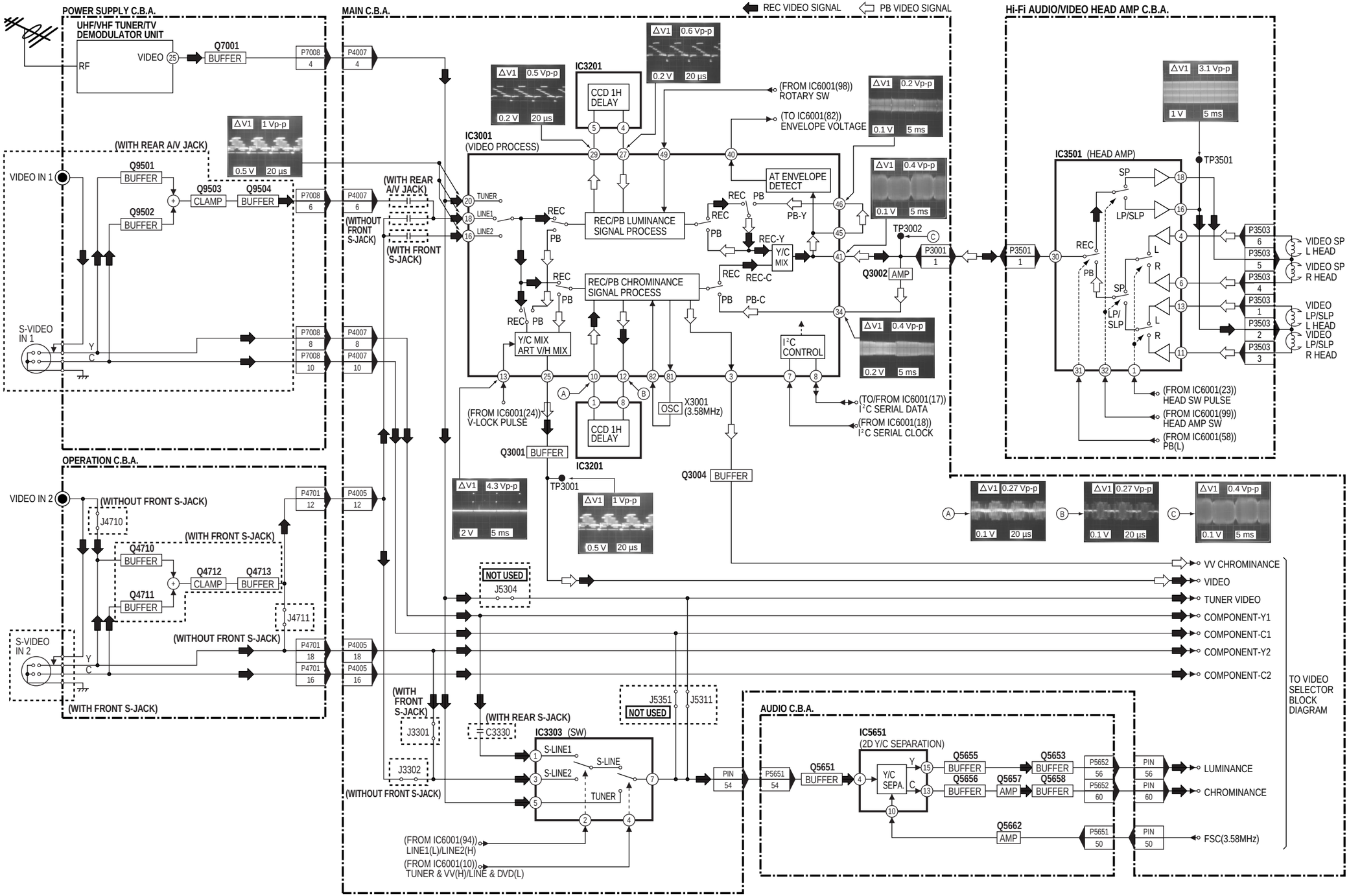
VOLTAGE CHART
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

POWER SUPPLY BLOCK DIAGRAM



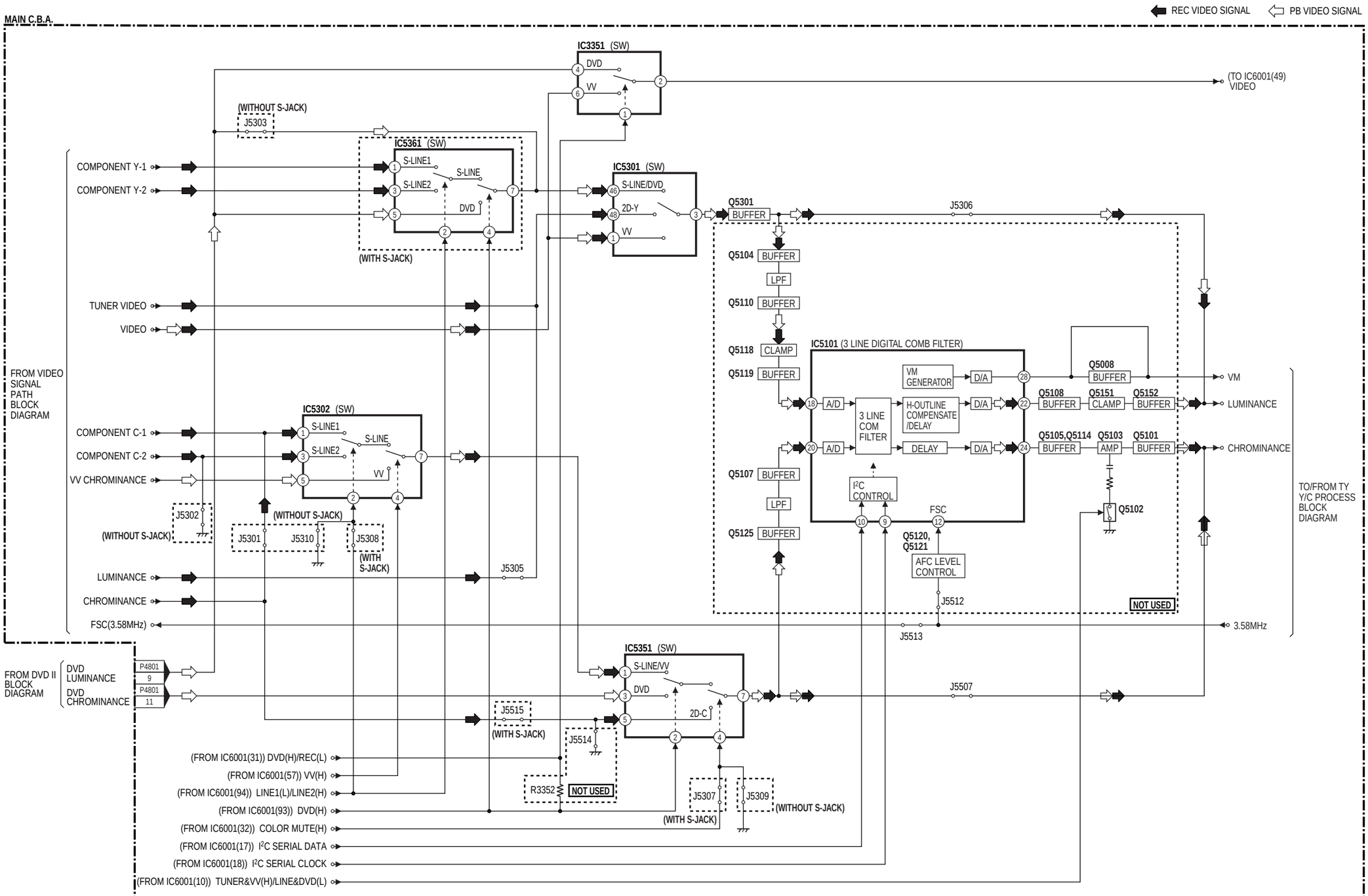
POWER SUPPLY BLOCK DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

VIDEO SIGNAL PATH BLOCK DIAGRAM

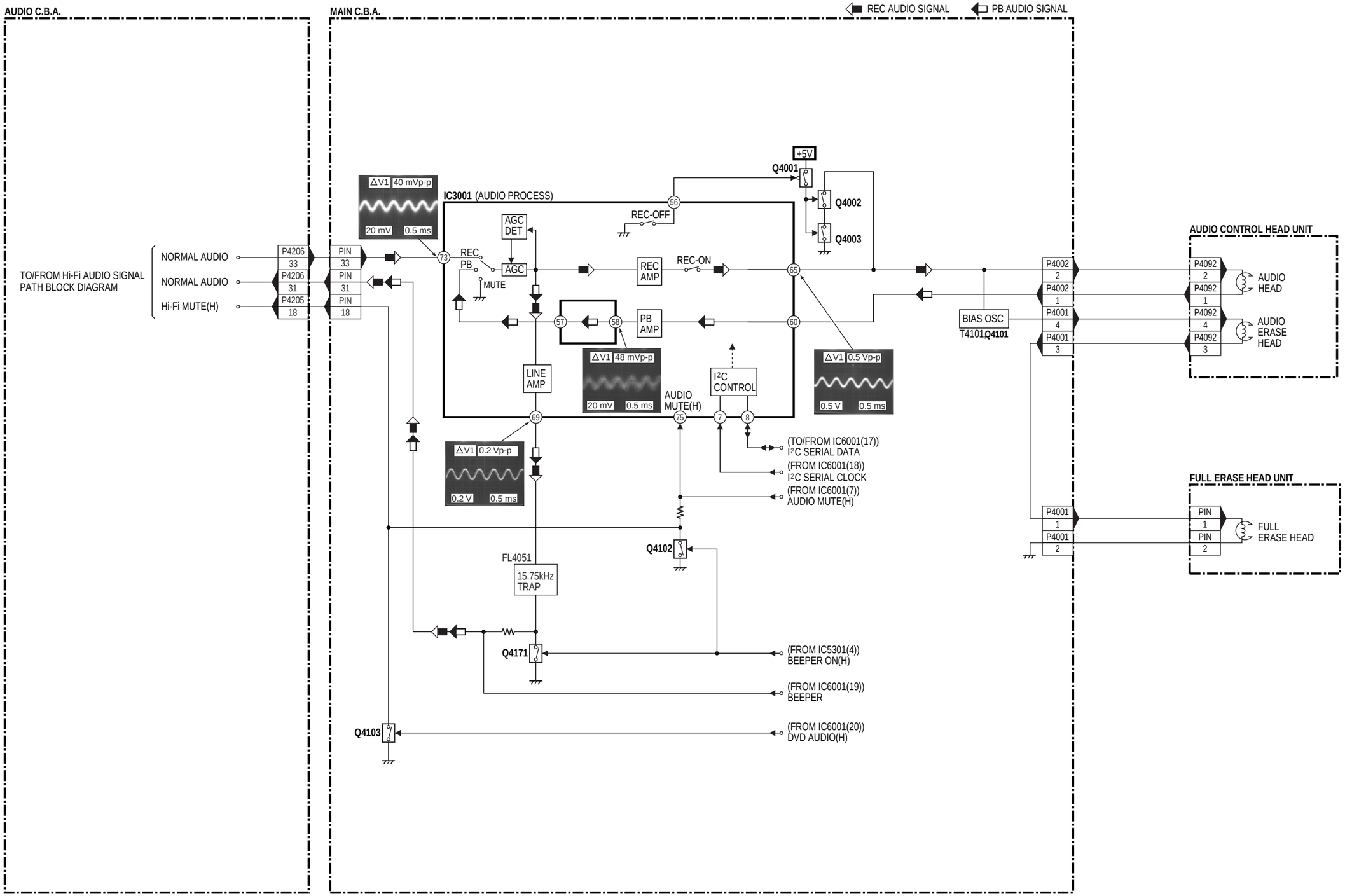


VIDEO SIGNAL PATH BLOCK DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

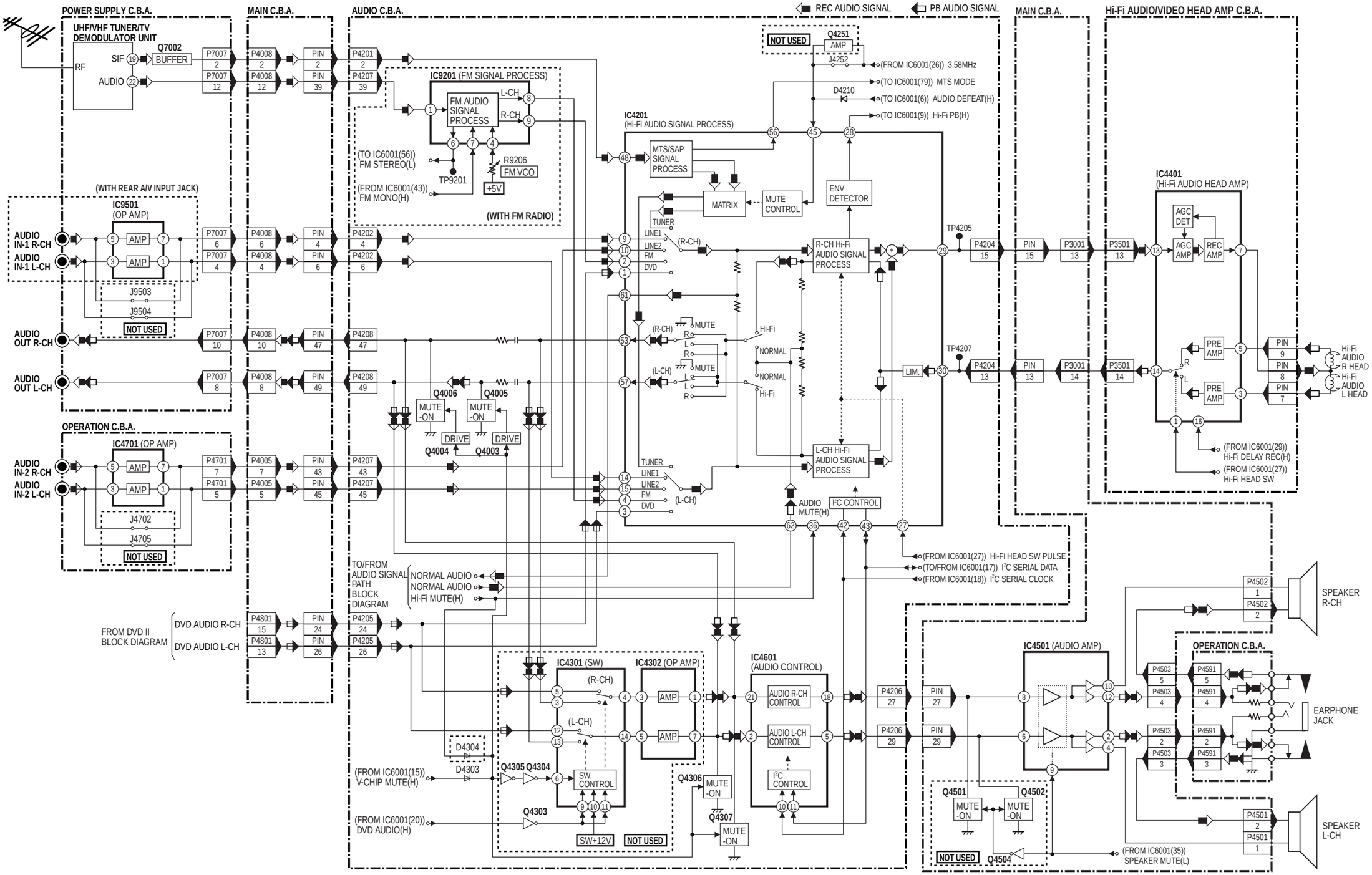
VIDEO SELECTOR BLOCK DIAGRAM



AUDIO SIGNAL PATH BLOCK DIAGRAM

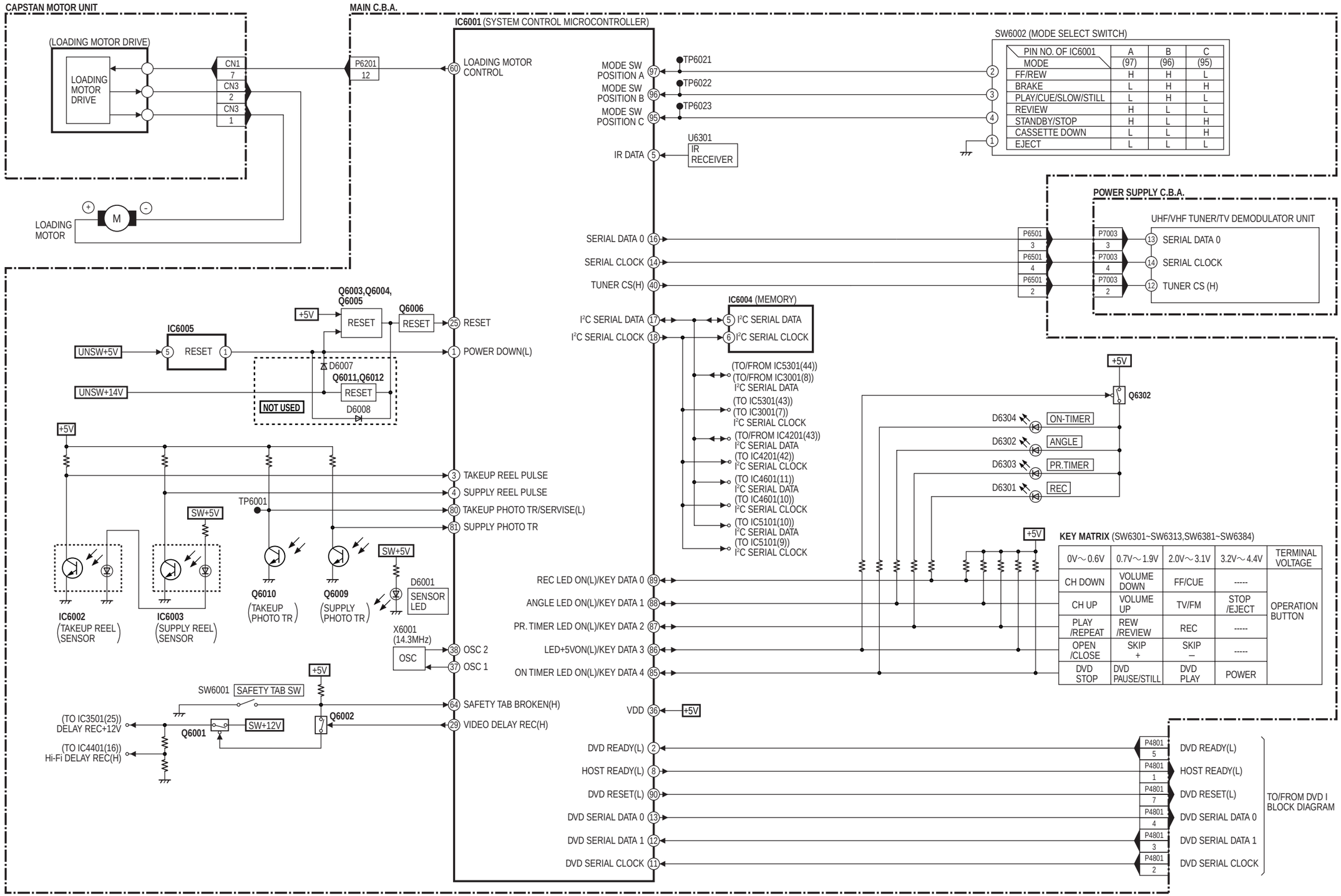


Hi-Fi AUDIO SIGNAL PATH BLOCK DIAGRAM



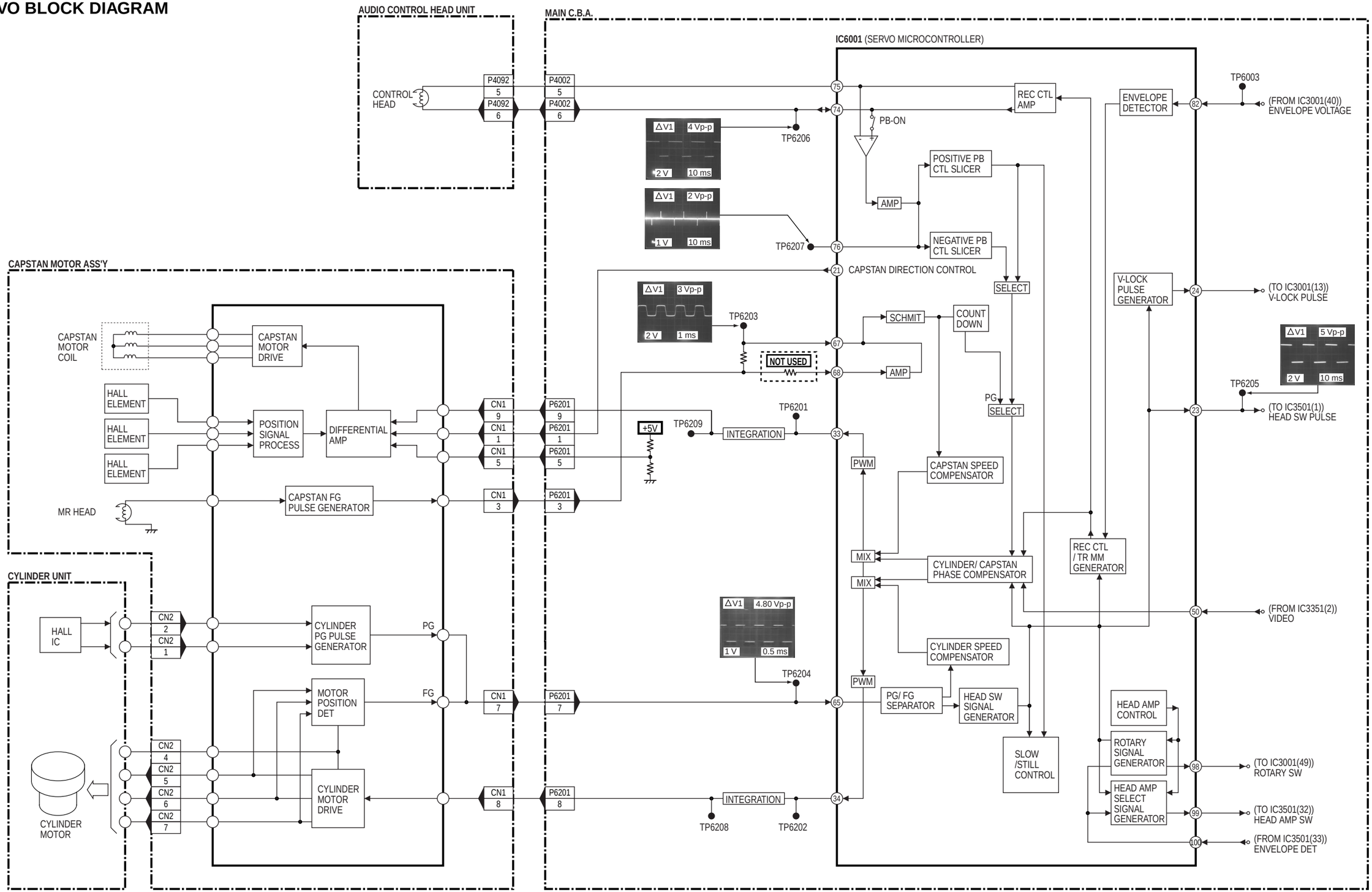
Hi-Fi AUDIO SIGNAL PATH BLOCK DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

SYSTEM CONTROL BLOCK DIAGRAM



SYSTEM CONTROL BLOCK DIAGRAM
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

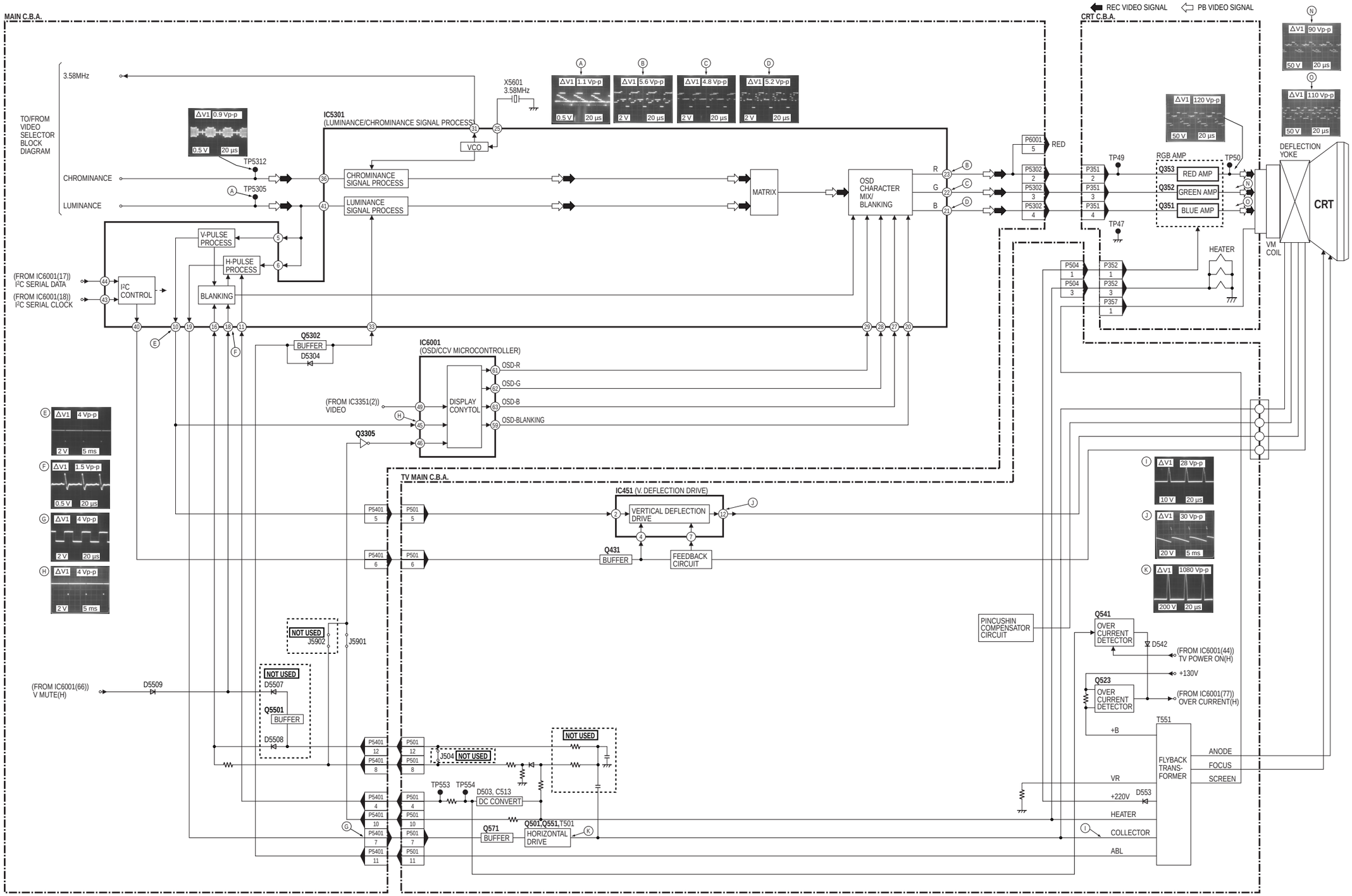
SERVO BLOCK DIAGRAM



SERVO BLOCK DIAGRAM

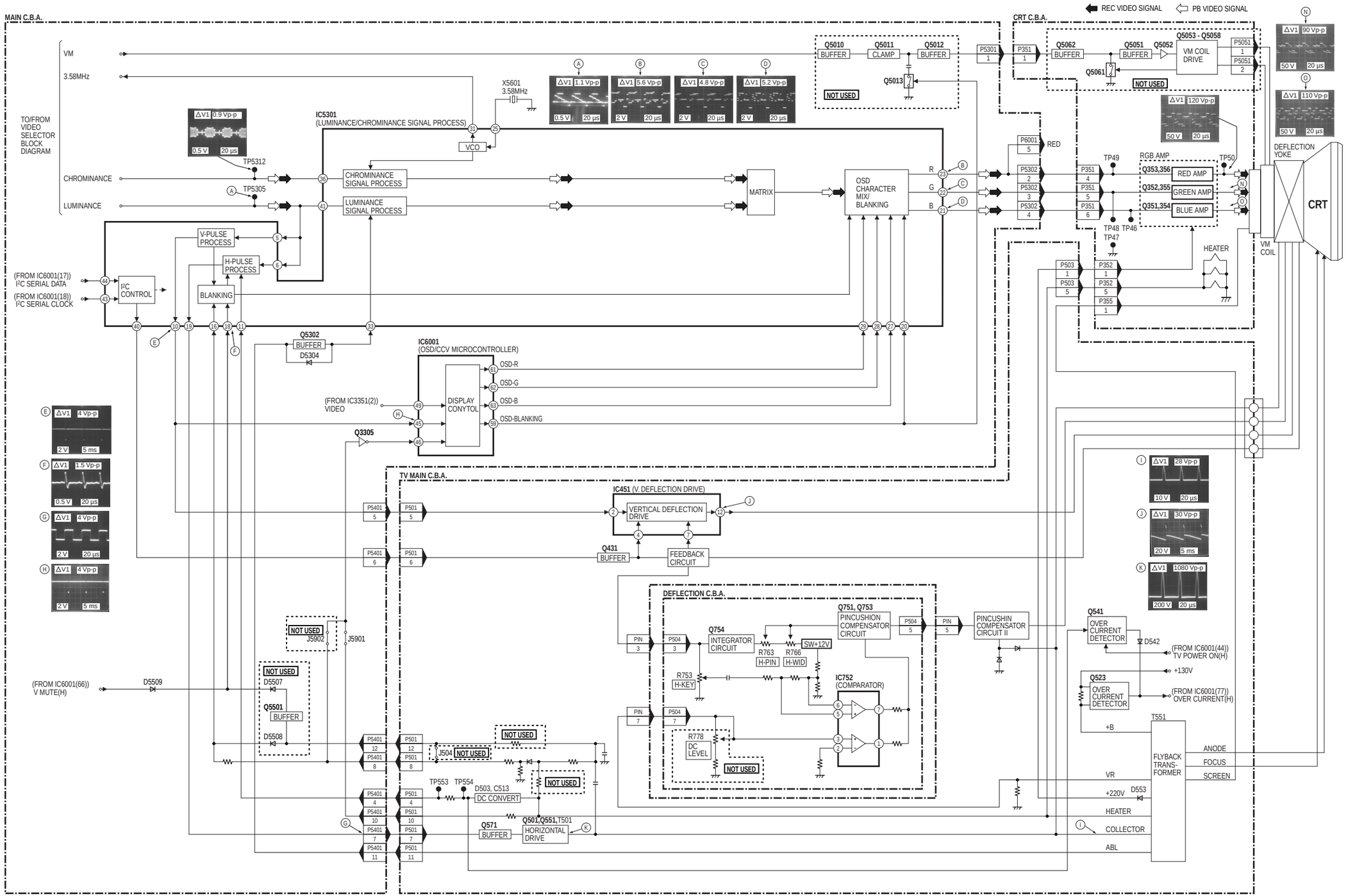
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

TV Y/C PROCESS BLOCK DIAGRAM (Model : PV-DF2003-K)



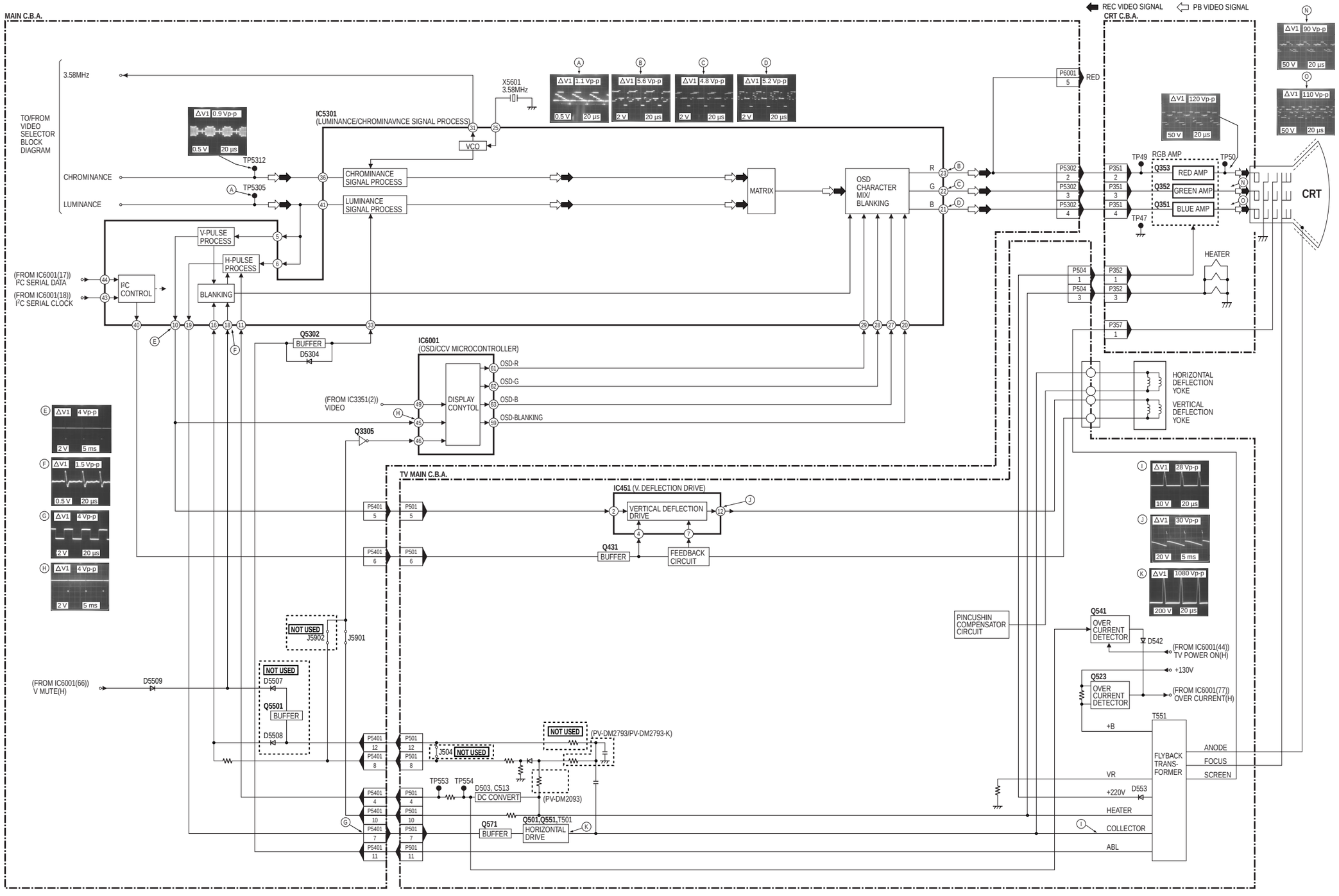
TV Y/C PROCESS BLOCK DIAGRAM
PV-DF2003-K

TV Y/C PROCESS BLOCK DIAGRAM (Model : PV-DF2703-K)



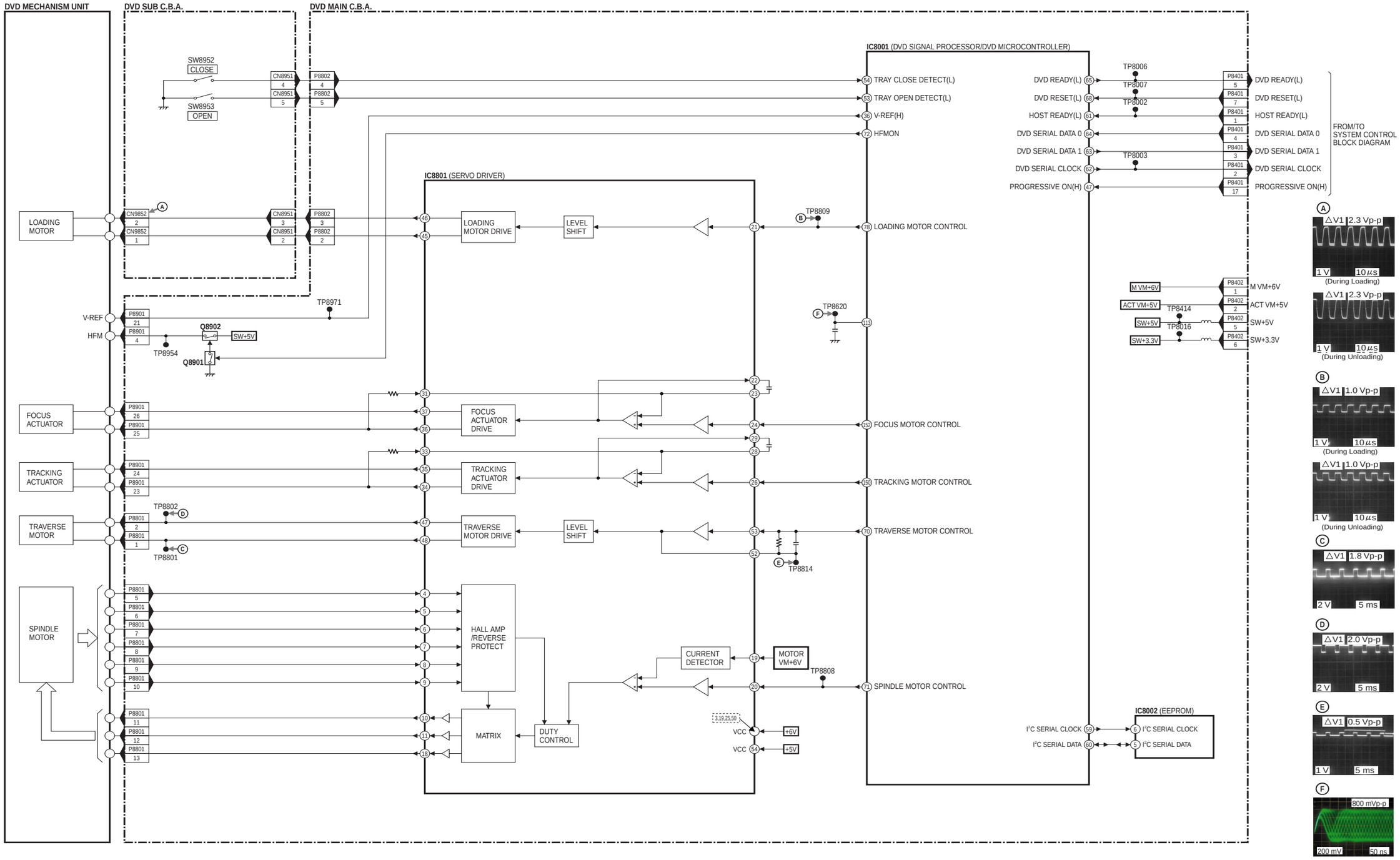
TV Y/C PROCESS BLOCK DIAGRAM
PV-DF2703-K

TV Y/C PROCESS BLOCK DIAGRAM (Model : PV-DM2793-K)



TV Y/C PROCESS BLOCK DIAGRAM
PV-DM2793-K

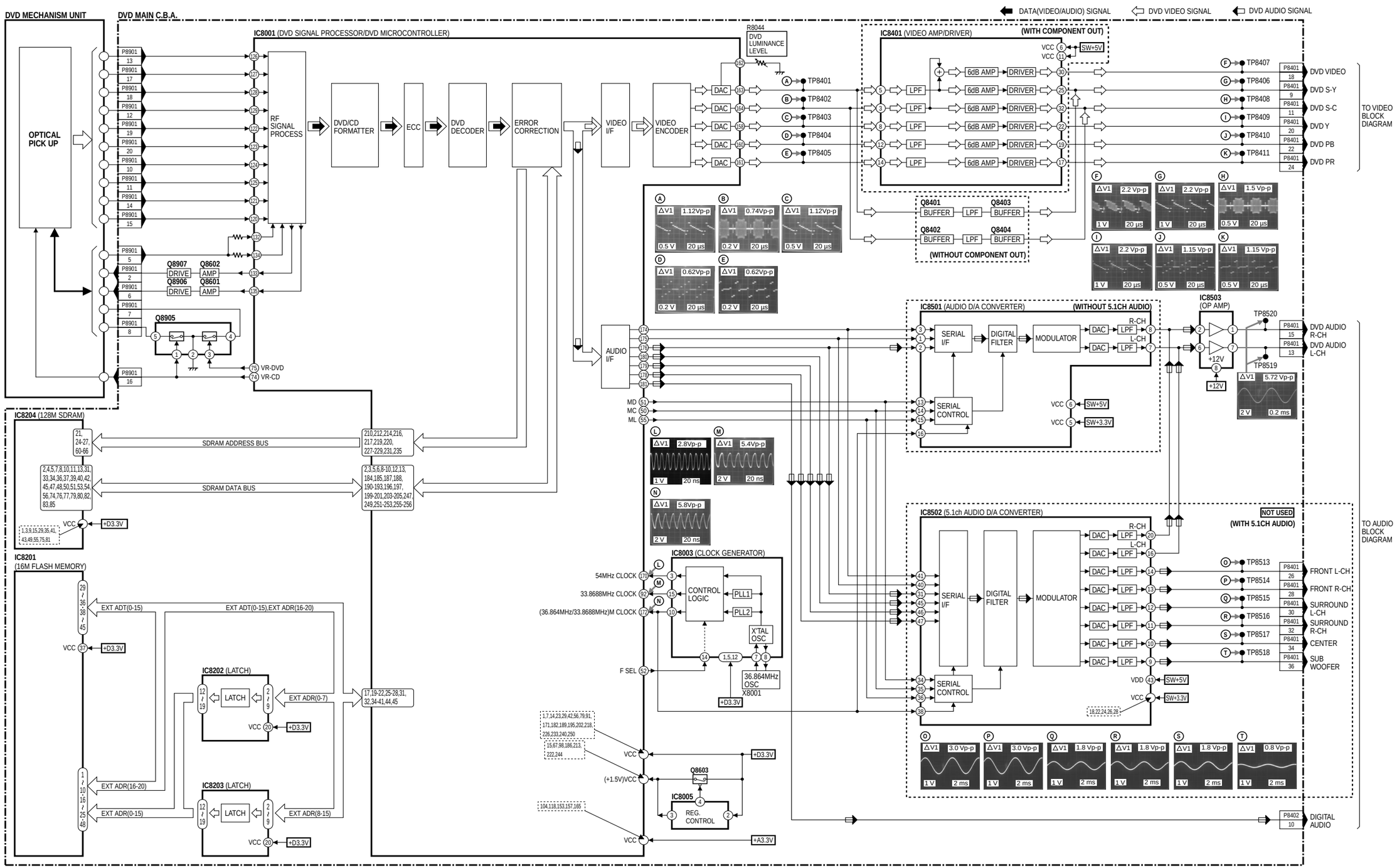
DVD I BLOCK DIAGRAM



DVD I BLOCK DIAGRAM

PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

DVD II BLOCK DIAGRAM



DVD II BLOCK DIAGRAM

PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

Troubleshooting Hints

How to confirm whether DVD circuit or other circuits is defective.

NOTE:
Host communication may not occur correctly between IC6001 on the Main C.B.A. and IC8001 on the DVD Main C.B.A. when there is a problem on the DVD Main C.B.A.
(Serial Data Communication failure between IC6001 and IC8001 within 30sec. IC6001 will switch automatically to VCR.)
(Check the VCR mode and DVD mode.)
Check the voltage during the 30 seconds during which the unit remains in DVD mode.

1) Confirm DVD operation and VCR operation

1. Playback a VHS tape.
2. Playback a DVD disc.

Both NG → Main C.B.A. is defective. Repair the Main C.B.A.

No PB VCR only → Main C.B.A. is defective. Repair the Main C.B.A.

No PB DVD only

First, confirm that the Main C.B.A. is O.K. other than DVD Mechanism Unit and DVD Main C.B.A. by referring to "Communication Timing Chart 1," and "Communication Timing Chart 2."
Check points:
1. All Power Supply Voltages for DVD circuit (TP8016 (SW_3.3V_DVD), TP8414 (SW_5V_DVD), Pin1 of P8402 (M_VM_6V), Pin2 of P8402 (ACT_VM_5V) on the DVD Main C.B.A.)
2. Output Signal from DVD Main C.B.A.(TP8006 (D_RDY)), Output Signal from Main C.B.A.(TP8002 (H_RDY)) (TP8006 (D_RDY), TP8002 (H_RDY) on the DVD Main C.B.A.)

NG → Main C.B.A. is defective. Repair the Main C.B.A.

Note:
If PR1502 on the Main C.B.A. becomes defective again after replacement, replace both DVD Mechanism Unit and IC8801 on the DVD Main C.B.A. at the same time.

OK

DVD circuit is defective.
Perform troubleshooting referring to "How to confirm whether DVD Mechanism Unit or DVD Main C.B.A. is defective."

How to confirm whether DVD Mechanism Unit or DVD Main C.B.A. is defective.

Confirm communication between DVD Main C.B.A. and Main C.B.A. by referring to "Communication Timing Chart 2."
Check points:
1. Output Signal from DVD Main C.B.A. (TP8003 (DVD_SCK) on the DVD Main C.B.A.)

NG → DVD Main C.B.A. is defective. Repair the DVD Main C.B.A.

IC8001 or the circuit around it is defective.

OK

Confirm that the OPEN/CLOSE TRAY works correctly.

NG → DVD Mechanism Unit or IC8801 is defective. Repair it by referring to the "Tray Operation Problem. "

OK

Playback the test DVD disc.

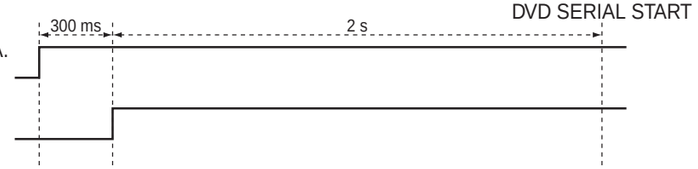
The Message "PLEASE CHECK THE DISC, AND FOR STAINS OR SCRATCHES ON DISC" appears.

DVD Mechanism Unit or IC8801 or IC8001 is defective. Repair it referring to "Spindle Motor Operation Problem," and " Traverse Operation Problem," "Cause: Pickup Problem."

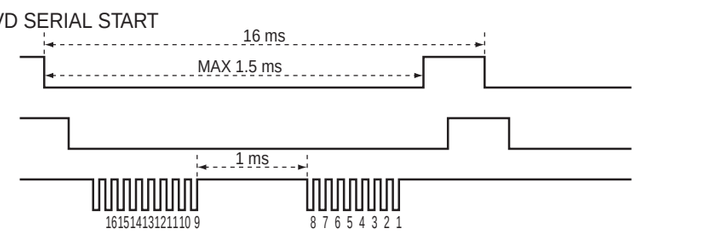
If there is problem with audio or picture, even though it plays back.

DVD Main C.B.A. is defective. Repair DVD Main C.B.A.

Communication Timing Chart 1



Communication Timing Chart 2


DVD SERIAL START
16 ms
MAX 1.5 ms
TP8002 on the DVD Main C.B.A. (H_RDY (VCR → DVD)
TP8006 on the DVD Main C.B.A. (D_RDY (DVD → VCR)
1 ms
TP8003 on the DVD Main C.B.A. (DVD_SCK (DVD → VCR)
16 15 14 13 12 11 10 9
8 7 6 5 4 3 2 1

Troubleshooting Hints of DVD Mechanism Unit

Tray Operation Problem

Check the signal at Pin2 of CN9852 (+) on the DVD Sub C.B.A. (3.0 Vp-p)

OK → DVD Mechanism Unit is defective. Replace the DVD Mechanism Unit.

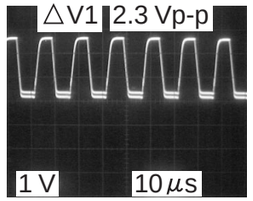
NG

Check the signal at TP8809 (TRYIN) on the DVD Main C.B.A.

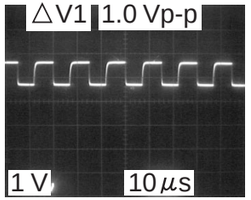
OK → IC8801 on the DVD Main C.B.A. is defective. Replace IC8801 on the DVD Main C.B.A.

NG

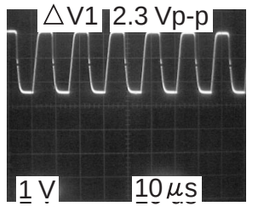
IC8001 on the DVD Main C.B.A. is defective. Replace IC8001 on the DVD Main C.B.A.



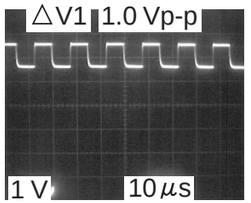
Pin2 of CN9852(+) (During Loading)



TP8809 (During Loading)

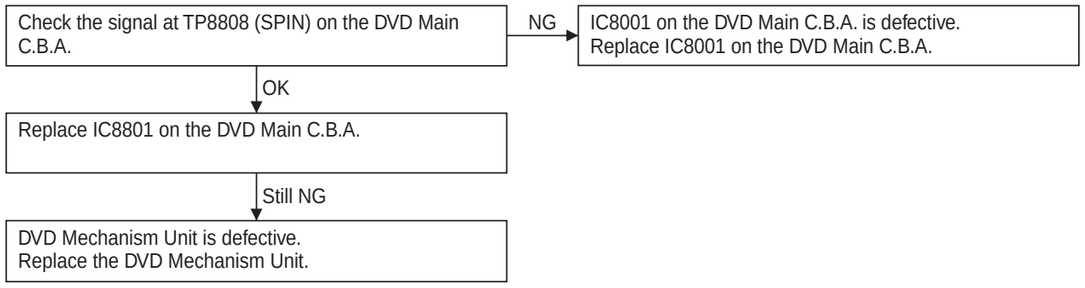


Pin2 of CN9852(+) (During Unloading)

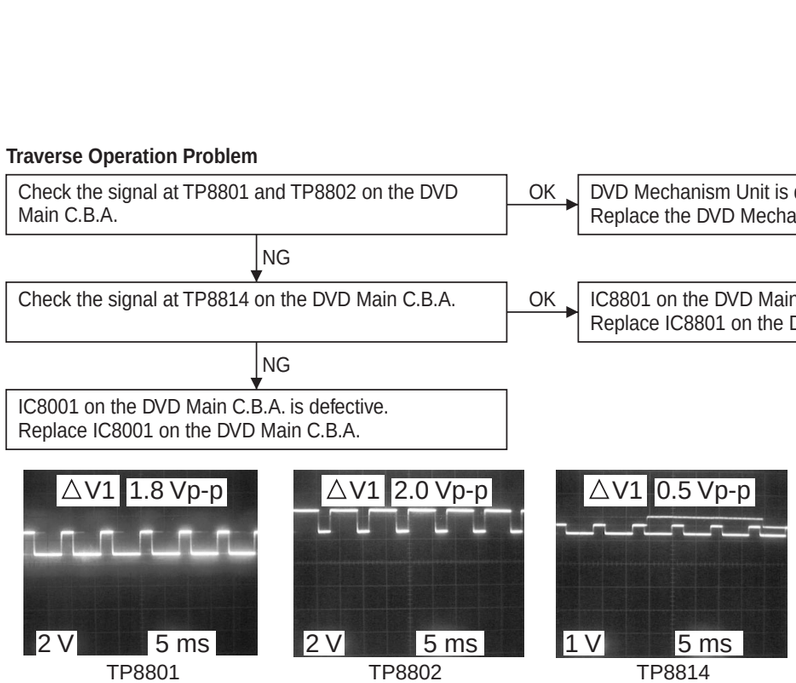


TP8809 (During Unloading)

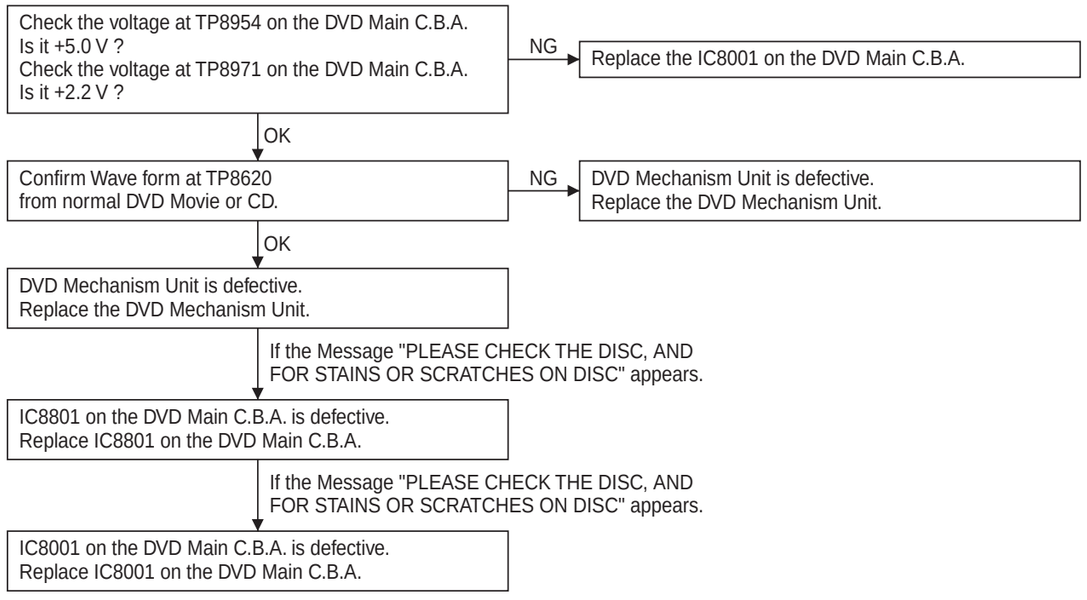
Spindle Motor Operation Problem


Check the signal at TP8808 (SPIN) on the DVD Main C.B.A.
NG
IC8001 on the DVD Main C.B.A. is defective.
Replace IC8001 on the DVD Main C.B.A.
OK
Replace IC8801 on the DVD Main C.B.A.
Still NG
DVD Mechanism Unit is defective.
Replace the DVD Mechanism Unit.

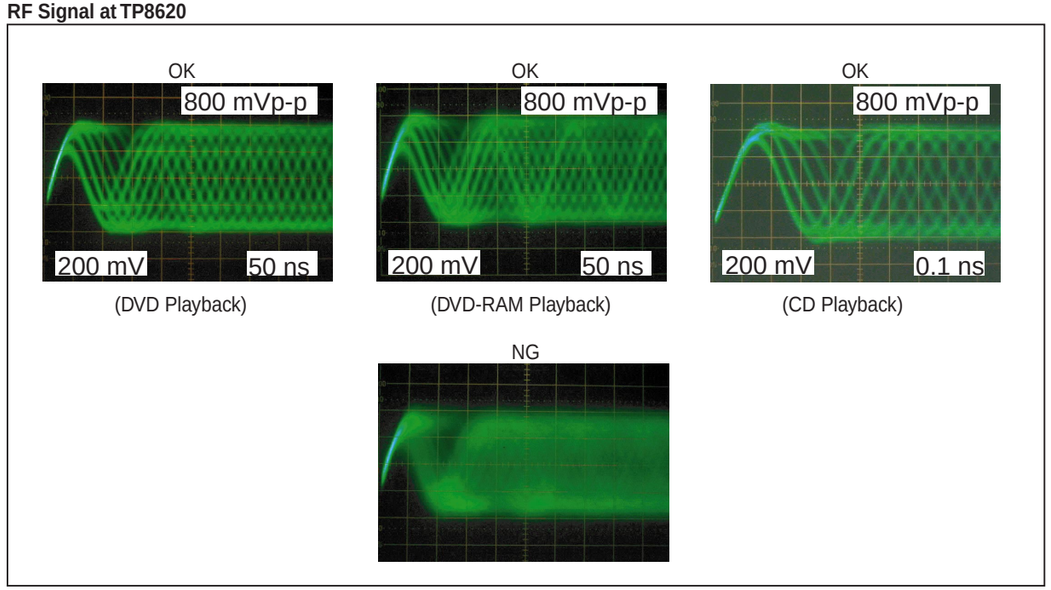
Traverse Operation Problem


Check the signal at TP8801 and TP8802 on the DVD Main C.B.A.
OK
DVD Mechanism Unit is defective.
Replace the DVD Mechanism Unit.
NG
Check the signal at TP8814 on the DVD Main C.B.A.
OK
IC8801 on the DVD Main C.B.A. is defective.
Replace IC8801 on the DVD Main C.B.A.
NG
IC8001 on the DVD Main C.B.A. is defective.
Replace IC8001 on the DVD Main C.B.A.
△V1 1.8 Vp-p
2 V 5 ms
TP8801
△V1 2.0 Vp-p
2 V 5 ms
TP8802
△V1 0.5 Vp-p
1 V 5 ms
TP8814

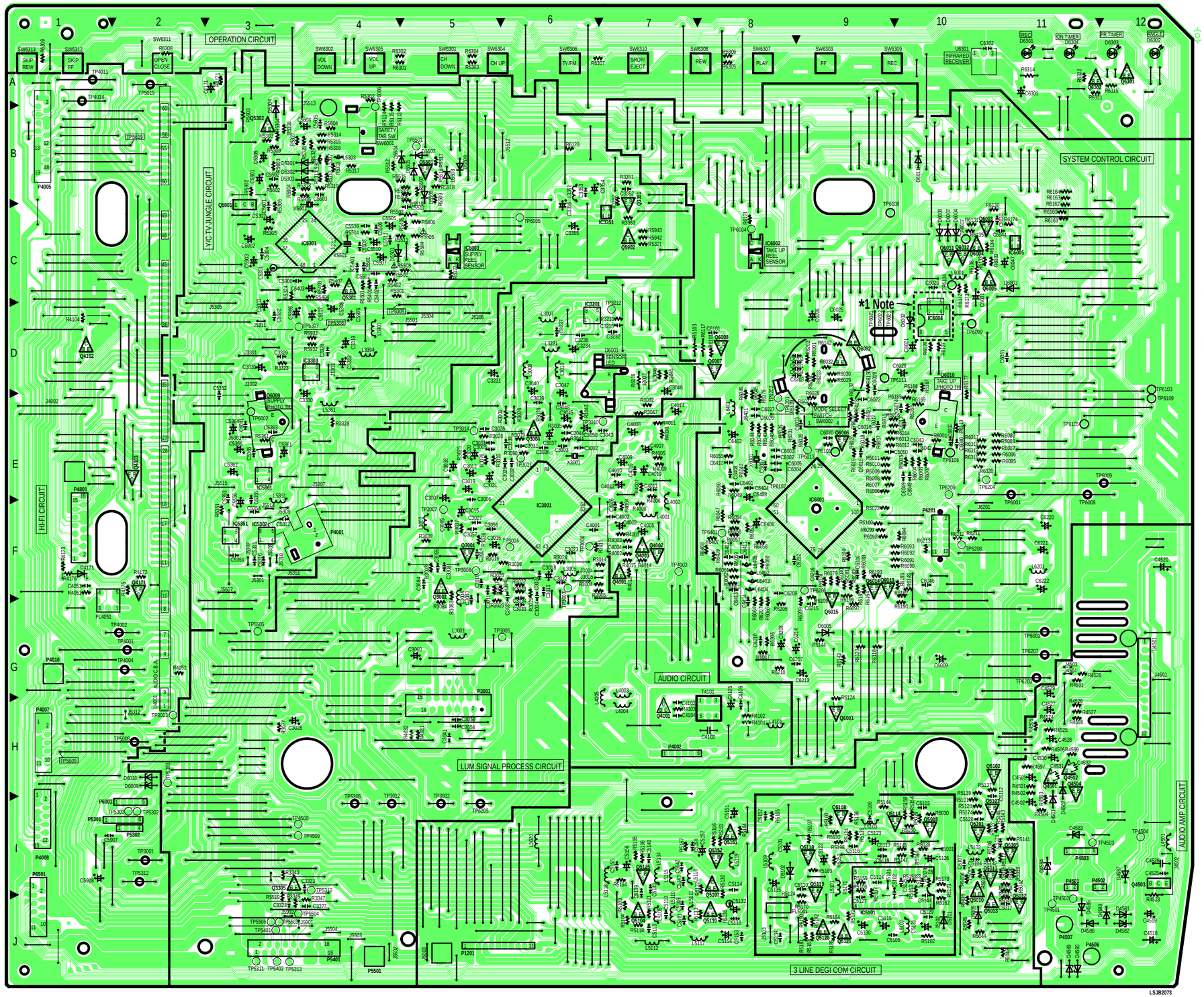
Pickup Operation Problem


Check the voltage at TP8954 on the DVD Main C.B.A.
Is it +5.0 V ?
Check the voltage at TP8971 on the DVD Main C.B.A.
Is it +2.2 V ?
NG
Replace the IC8001 on the DVD Main C.B.A.
OK
Confirm Wave form at TP8620
from normal DVD Movie or CD.
NG
DVD Mechanism Unit is defective.
Replace the DVD Mechanism Unit.
OK
DVD Mechanism Unit is defective.
Replace the DVD Mechanism Unit.
If the Message "PLEASE CHECK THE DISC, AND FOR STAINS OR SCRATCHES ON DISC" appears.
IC8801 on the DVD Main C.B.A. is defective.
Replace IC8801 on the DVD Main C.B.A.
If the Message "PLEASE CHECK THE DISC, AND FOR STAINS OR SCRATCHES ON DISC" appears.
IC8001 on the DVD Main C.B.A. is defective.
Replace IC8001 on the DVD Main C.B.A.

RF Signal at TP8620



MAIN C.B.A. LSEP2073B (C,F) / LSEP2073C (I)



COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS. FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING, PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

*1 Note

There are 2 types of EEPROM IC (IC6004) used on the Main C.B.A. (DIP TYPE and SOP TYPE) However, these are same reliability.

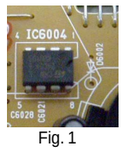


Fig. 1

OR

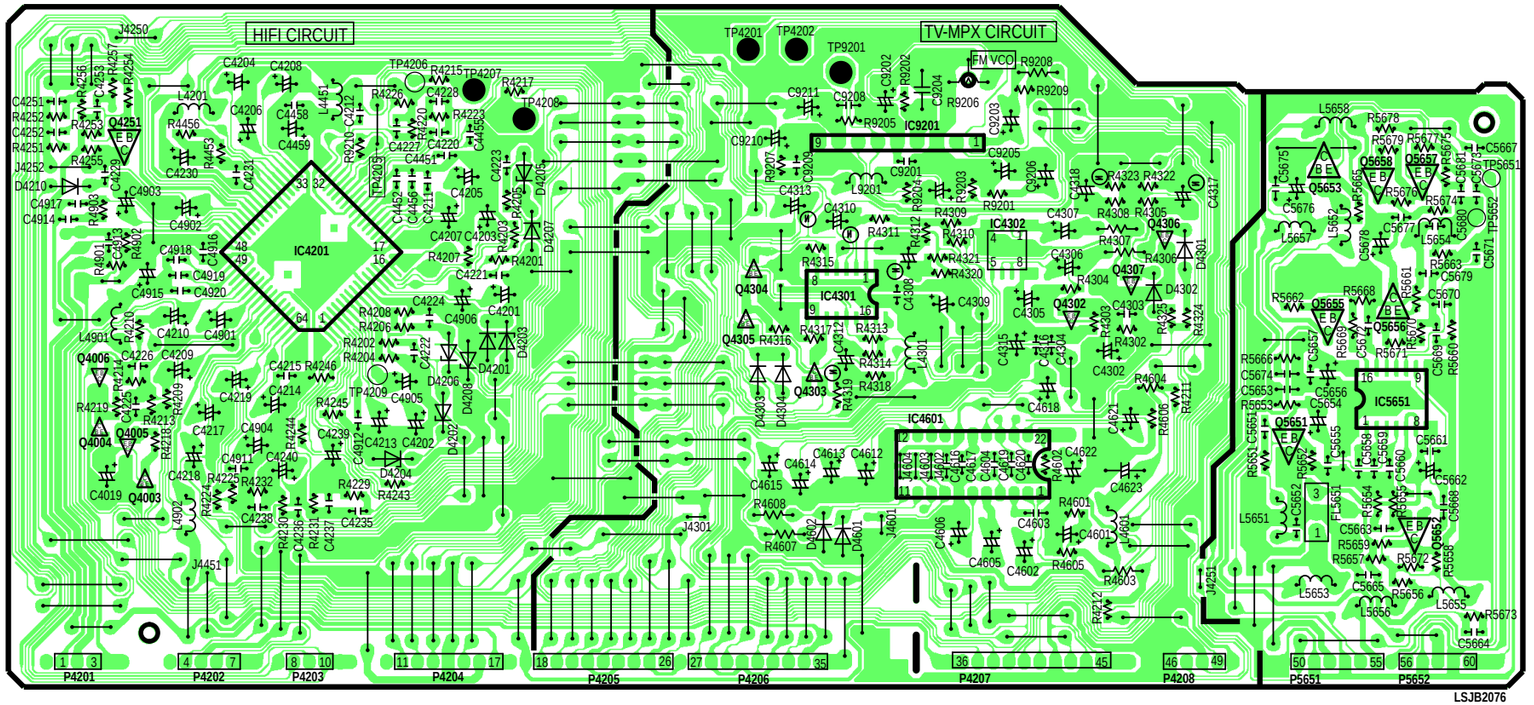
Fig. 2

Be sure to install DIP type IC from the component side as shown in Fig. 1.
Be sure to intall SOP type IC from the foil side as shown in Fig. 2.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

MAIN C.B.A. LSEP2073B/LSEP2073C
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

AUDIO C.B.A. LSEP2076B (C,F) / LSEP2076C (I)



NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

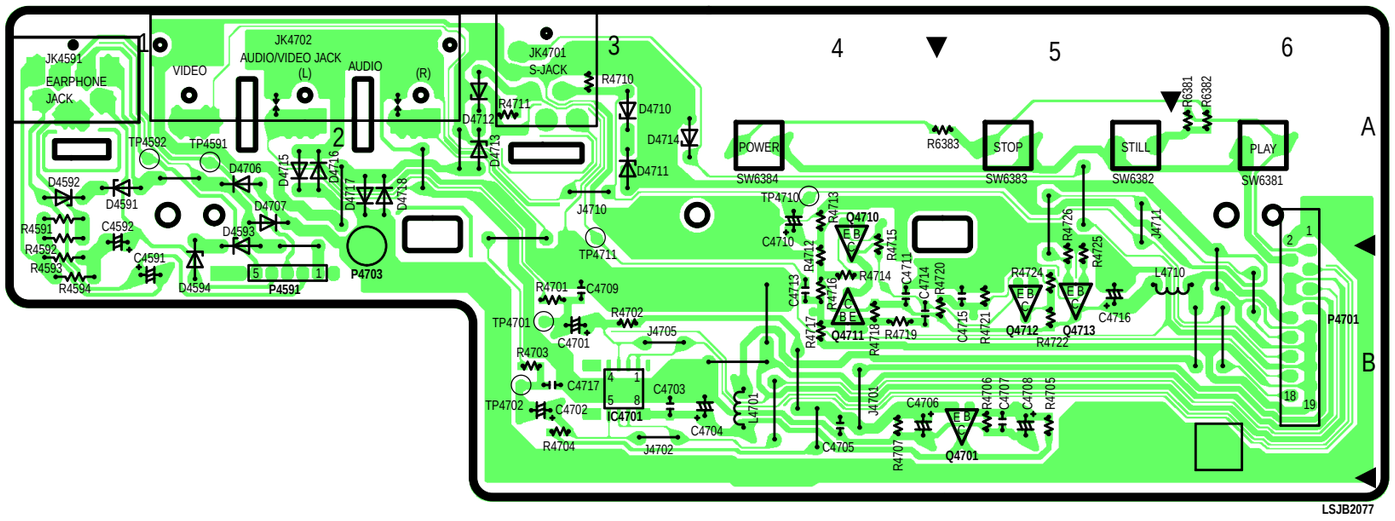
NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I

OPERATION C.B.A. LSEP2077A (C,F) / LSEP2077B (I)



NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

AUDIO C.B.A. LSEP2076B/LSEP2076C
OPERATION C.B.A. LSEP2077A/LSEP2077B

PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

TV MAIN C.B.A. LSEP2074B (C) / LSEP2074A (F) / LSEP2074C (I)

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

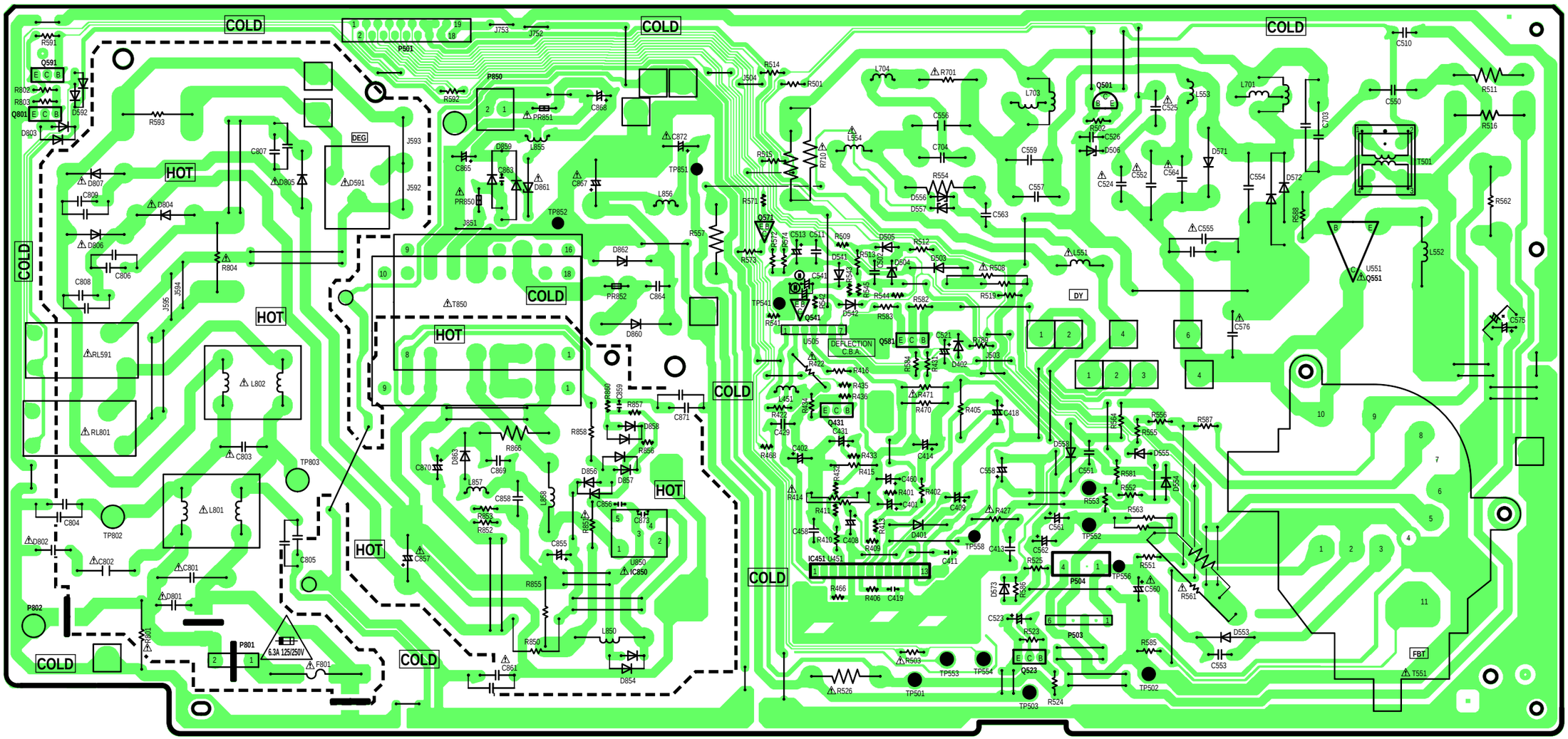
NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 6.3A 125V/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME
TYPE 6.3A 125V/250V

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I



POWER SUPPLY C.B.A. LSEP2078A (C,F) / LSEP2078B (I)

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

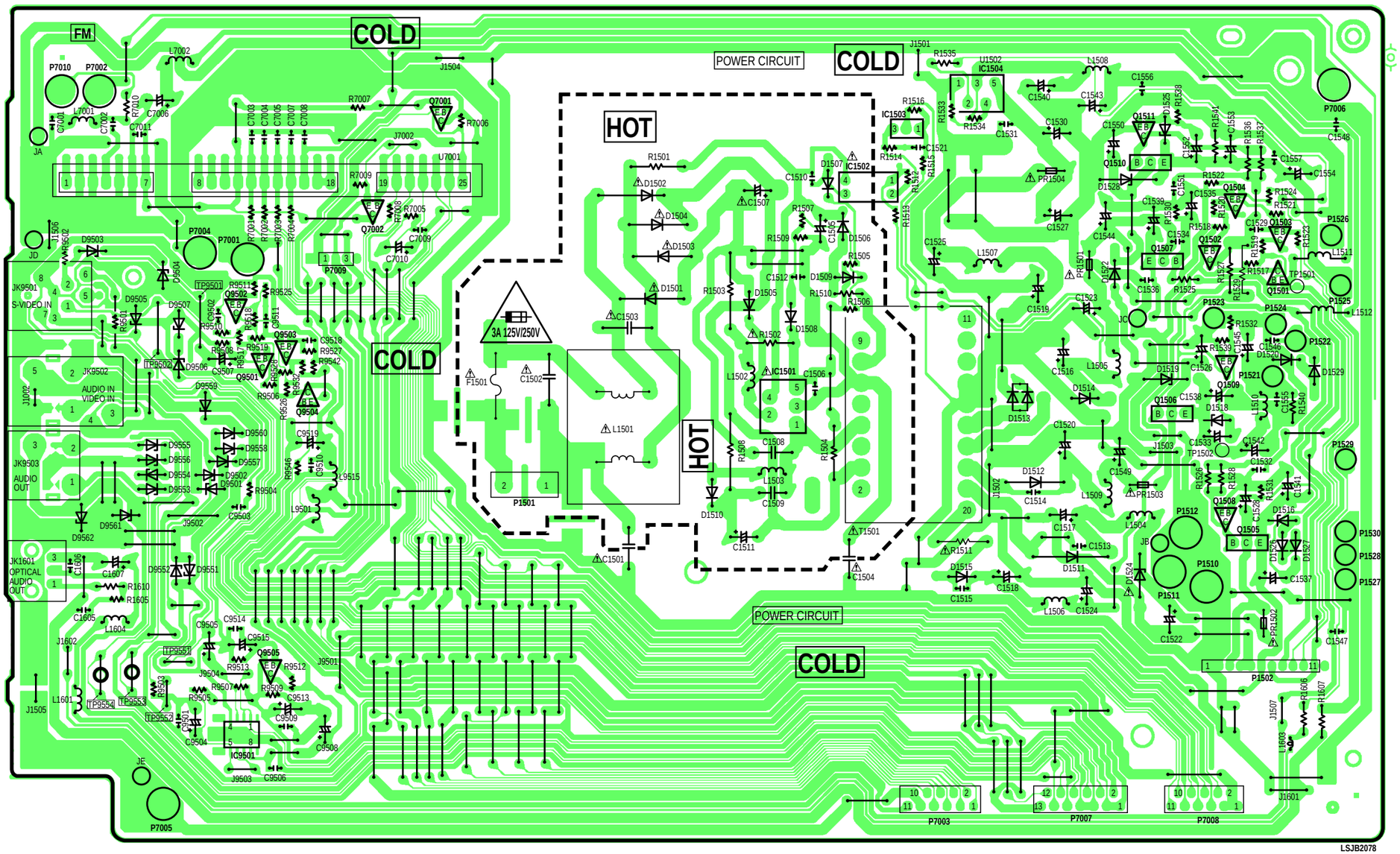
CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 3A 125V/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME
TYPE 3A 125V/250V

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I

HOT CIRCUIT. BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING.

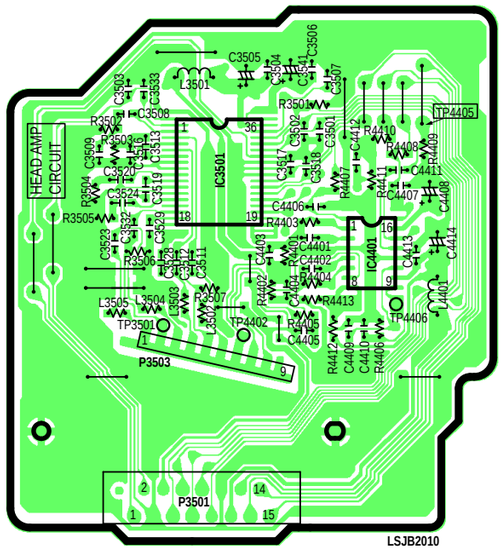


POWER SUPPLY C.B.A. LSEP2078A/LSEP2078B
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

HI-FI AUDIO/VIDEO HEAD AMP C.B.A. LSEP2010A

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.



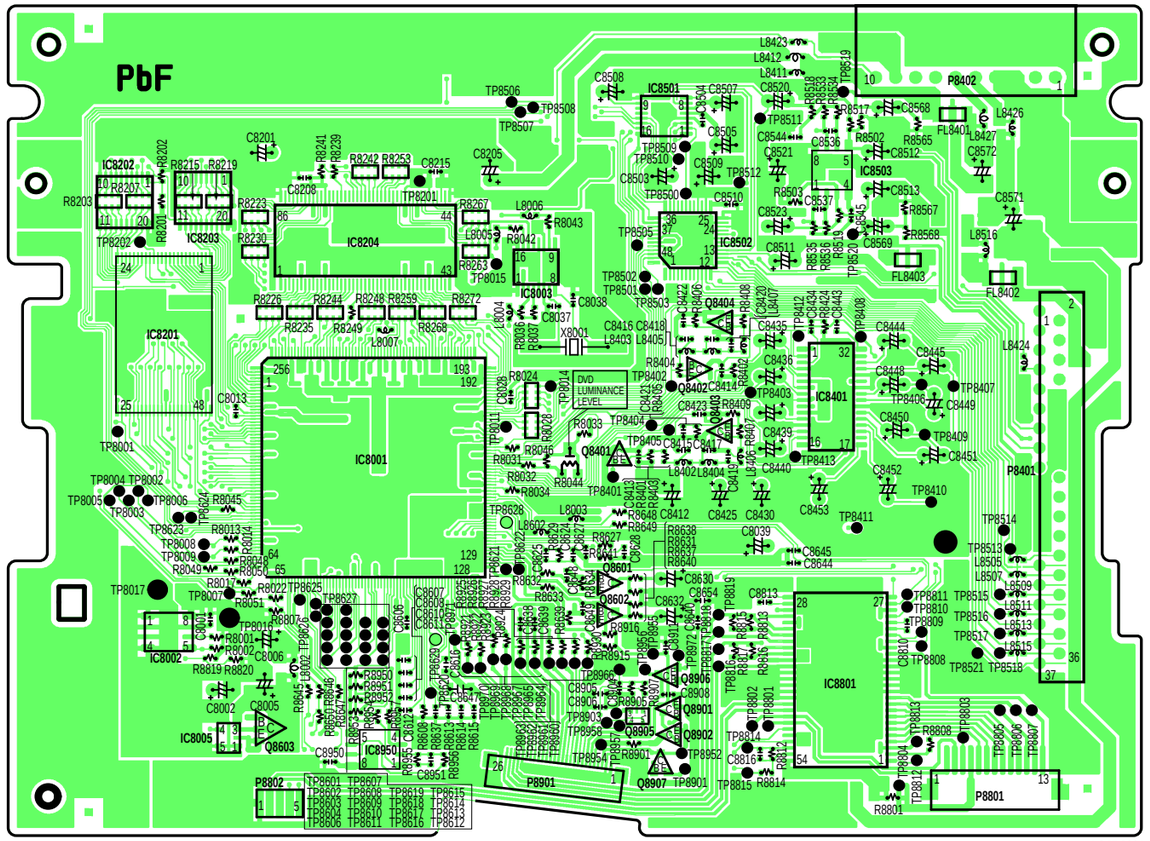
DVD MAIN C.B.A. LSEP2091F1

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

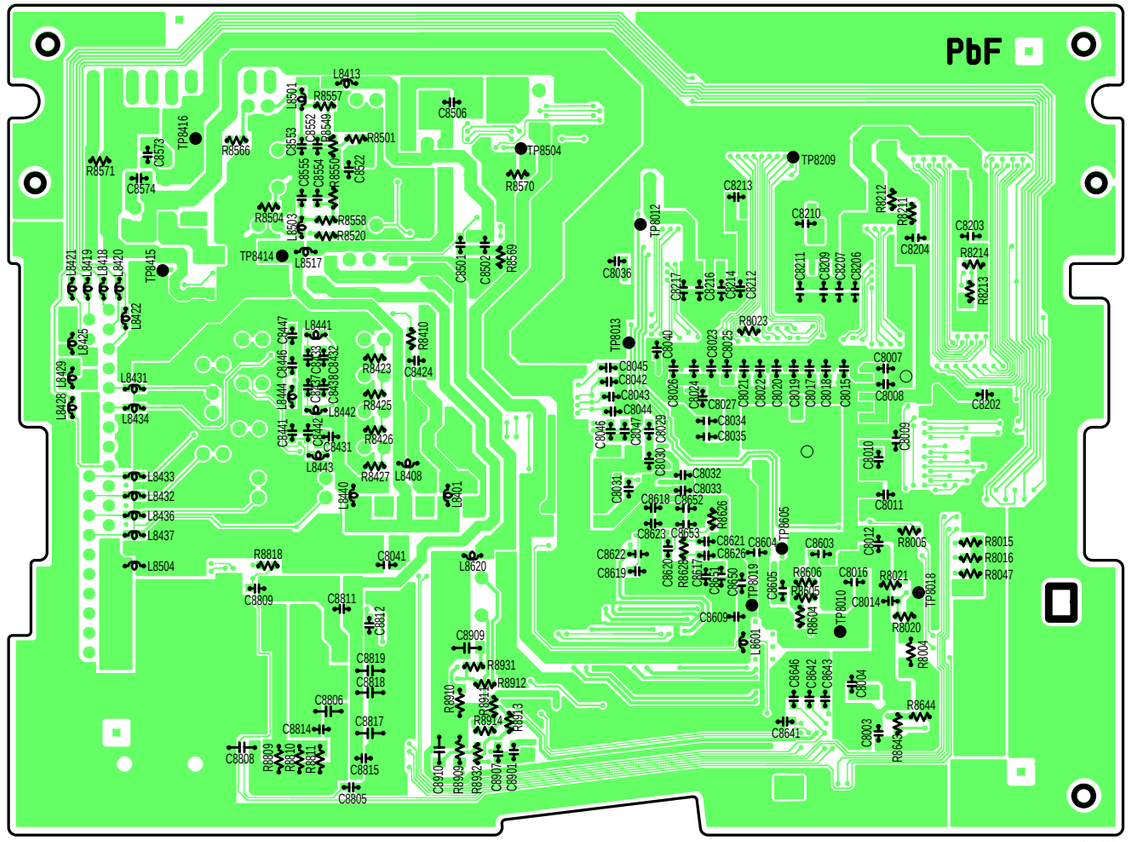
NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

(COMPONENT SIDE)



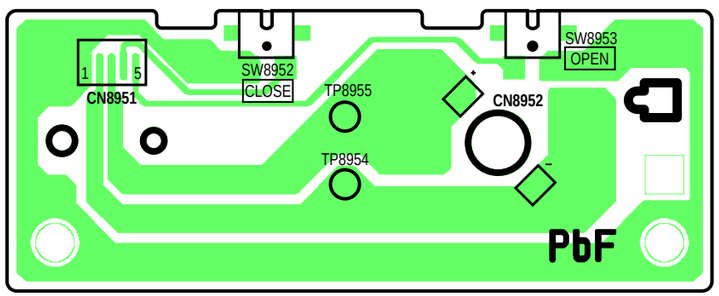
LSJB2091

(FOIL SIDE)



LSJB2091

DVD SUB C.B.A. LSEP2014A



LSJB2014

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE:
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

DVD MAIN C.B.A. LSEP2091F1
DVD SUB C.B.A. LSEP2014A
PV-DF2003-K/PV-DF2703-K/PV-DM2793-K

1. **Important safety notice**
   Components identified by the sign ⚠ have special characteristics important for safety. When replacing any of these components. Use only the specified parts.

2. Do not use the part number shown on this drawing for ordering.
   The correct part number and part value is shown in the parts list, and may be slightly different or amended since this drawing was prepared.

3. Use only original replacement parts:
   To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.

4. Parts different in shape or size may be used.
   However, only interchangeable parts will be supplied as service replacement parts.

5. Test point information
   ⏀ :Test point with a jumper wire across a hole in P.C.B.
   ▭→ :Test point with a component lead on the foil side.
   ⊘ :Test point with no test pin.
   ● :Test point with a test pin.

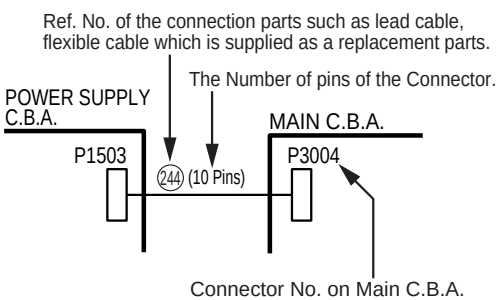
Schematic Diagram Notes

1. Indication for Zener Voltage of Zener Diodes
   The Zener Voltage of Zener Diodes are indicated as such on Schematic Diagrams.

   Example:
   (6.2V).....Zener Voltage

2. How to identify Connectors
   Each connector is labeled with a Connector No. and Pin No. Indicating what it is connected to,
   in other words, its counter part.
   Use the interconnection schematic diagram to find the connection between associated connectors.

   Example:
   The connections between C.B.A.s are shown below.


Ref. No. of the connection parts such as lead cable, flexible cable which is supplied as a replacement parts.
The Number of pins of the Connector.
POWER SUPPLY C.B.A.
MAIN C.B.A.
P1503
(24) (10 Pins)
P3004
Connector No. on Main C.B.A.

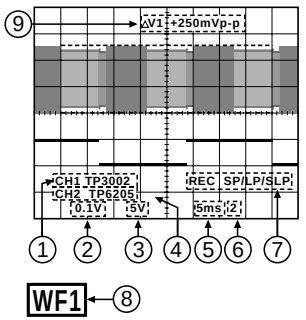
3. Parts marked "PT" are not used in any models included in this service model.

   Example: C6011 100P PT | C6011 PT | R6097 PT

4. Jumper wires are used for WA10, WA5 etc and these are not supplied as replacement parts.

Signal Waveform Note

How to read Signal Waveform



① Connecting Point
② Volts/Div
③ Volts/Div
④ Connecting Point
⑤ Time/Div
⑥ Trigger Channel of the scope
(1:CH1,2:CH2)
⑦ Operation Mode of VCR
⑧ Waveform Point on Schematic
⑨ ΔV1:Peak to Peak

Voltage Chart Note

Voltage Measurement
a. Color bar signal in SP mode.
b. ---:Unmeasurable or not necessary to measure.

Circuit Board Layout Note

Circuit Board Layout shows components installed for various models.
For proper parts content for the model you are servicing, please refer to the schematic diagram and parts list.

NOTE:
Circuit Board Layout includes components which are not used.

Model No. Identification Mark

MODEL	MARK
- - - - - - - -	A
- - - - - - - -	B
PV-DF2003-K	C
- - - - - - - -	D
- - - - - - - -	E
PV-DF2703-K	F
- - - - - - - -	G
- - - - - - - -	H
PV-DM2793-K	I
Not Used	PT

Note : Refer to item 3 of Schematic Diagram Notes for mark "PT".